New Brunswick Department of Natural Resources
Minerals, Policy and Planning Division

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Organic Geochemical and Maturation Data for Carboniferous Strata of New Brunswick

Joseph MacIntosh and Clint St. Peter (compilers)

Format: Microsoft Access 2002
Database size: approximately 3 MB
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Description of Database:

The information in this database comprises a compilation of organic geochemical and maturation data assembled by the Department of Natural Resources for more than 20 years. The data has been sourced from New Brunswick Department of Natural Resources studies, Geological Survey of Canada surveys, university theses, oil and natural gas and oil shale exploration work reports. All samples are spatially referenced. The geochemical data comprises Fischer Assay and Rock-eval Pyrolysis results from 3600 well samples and 520 outcrop samples of coal, shale and oil shales. The maturation data includes Tmax (from Rock-eval), vitrinite reflectance (%Ro), and spore assemblage Thermal Alteration Indices (TAI) and Colour Alteration Indices (CAI). All thermal indicators have been converted to equivalent vitrinite reflectance values.

Funding:

These maturation maps and databases were funded by Natural Resources Canada's Targeted Geoscience Initiative (TGI) 2003–2005 and by New Brunswick Department of Natural Resources, Minerals, Planning and Policy Division. They were produced as part of the Canadian Appalachian Energy Project and are a contribution to the Consolidating Canada's Geoscience Knowledge Program of the Earth Sciences Sector.

Tables of NB_COG.mdb

COG_REFERENCES

Description: Data sources used in creation of this database

Field	Type	Size	Description
Reference_ID	Long	4	(P) Key - Source material Reference Identification number
COG_Reference	Memo	-	Source data reference information
Notes	Memo	-	Note on reference material, i.e., location, quality, accuracy, etc.

COMPANY_LICENSEE

Description: Company name

Field	Type	Size	Description
Company_ID	Long	4	(P) Key - Unique Identifier for exploration company or drilling licensee
Company_Well_Licensee	Text	75	Exploration company or drilling licensee name

ConvertToRo

Description: Conversion table used to assign %Ro values to Tmax and TAI data, used in SQL statements

Field	Type	Size	Description
TMax	Double	8	Rock-eval Tmax
TAI	Double	8	Thermal Alteration Index
Ro	Double	8	Vitrinite Reflectance Equivalency (%Ro)

Dh_COLLAR_LOCATION

Description: Geographic location and location details

Field	Type	Size	Description
Unique_Identifier	Long	4	(P) Key - Unique Identifier matches NB Borehole Database
Company_Id	Long	4	(F) Key - Company_Identifier
Well_Name_and_Number	Text	60	Company defined Well Name and Number
Latitude	Double	8	Latitude as degree with decimal, i.e., 46.56382

			(North is assumed)
Longitude	Double	8	Longitude as degree with decimal, i.e., 63.56383 (West is assumed)
Spud_Date	Text	50	Drill hole start date as text in format "yyyy/mm/dd"
County	Text	25	Provincial County
NTS	Text	15	NTS Map sheet number, i.e., "21G/10W"
NTS_50	Text	50	NTS Map sheet number, i.e.,"21G/09"
Lat_Deg	Integer	2	Latitude Degree
Lat_Min	Integer	2	Latitude Minute
Lat_Sec	Single	4	Latitude Second with decimal
Long_Deg	Integer	2	Longitude Degree
Long_Min	Integer	2	Longitude Minute
Long_Sec	Single	4	Longitude Second with decimal
Ground_Elevation_m	Text	50	Ground Elevation at collar in metres
Total_Depth_m	Double	8	Final depth of hole from collar
Geological_Units	Text	255	List of Geological Units encountered
Depth_to_Coal_m	Double	8	Depth in metres at which coal was intersected
Prospect	Text	35	Resource being sought (coal, oil, potash, etc)
Remarks	Memo	-	General comments
Inclination	Single	4	Angle of the hole from horizontal
Kelly_Elevation_m	Single	4	Elevation of Kelly on drill rig
True_Azimuth	Single	4	True Azimuth of nonvertical holes
Geological_Notes	Memo	-	Notes related to geology
Expected_Depth	Double	8	Expected end of hole
Status	Text	15	Final status of hole
Updated	Date/Time	8	This collar record last updated, date as "yyyy/mm/dd"
Status_Code	Text	10	Status Code
Well_History	Text	60	Production history, i.e., "Oil and Gas Producer", "Gas Show", "Dry", etc.

Dh_FISCHER_ASSAY

Description: Data related to Fischer Assay Analyses of drill hole samples

Field	Type	Size	Description
Dh_Fischer_ID	Long	4	(P) Key - Unique Identifier for Fischer Analyses
Dh_Sample_Id	Long	4	(F) Key - Dh_SAMPLES table
Reference_Id	Long	4	(F) Key - COG_REFERENCES table
Oil_Gravity	Double	8	Specific gravity of the oil
Oil_Wt_%	Double	8	Weight percentage of oil

Volume_Oil_(l/t shale)	Double	8	Volume of oil recovered - calculated using mean density of 0.8719 g/ml at 15.5 C
%_Water_Yield	Double	8	Weight percentage of water
Water_Yield_(l/t)	Double	8	Volume of water recovered
Bulk_Density	Double	8	Bulk Density of the rock
Shale_Wt_%	Double	8	Weight percentage of shale or rock
Total_Loss_(g/100g shale)	Double	8	Percentage of Total Loss expressed as (g/100g), i.e., weight percentage
%_Gas_Loss	Double	8	Weight percent of Gas Loss
Gas_Plus_Loss_Wt %	Double	8	Calculated - Weight percent of Gas Loss + Total Loss

Dh_ROCK_EVAL

Description: Data related to Rock-eval Analyses of drill hole samples

Field	Type	Size	Description
Dh_RockEval_ID	Long	4	(P) Key - Unique Identifier for Rock-eval Analyses
Dh_Sample_Id	Long	4	(F) Key - Dh_SAMPLES table
Reference_Id	Long	4	(F) Key - COG_REFERENCES table
Org_Carbon	Double	8	Total Organic Carbon (TOC) values
T_Max	Integer	2	Tmax values
S_1	Double	8	S1 values
S_2	Double	8	S2 values
S_3	Double	8	S3 values
Hyd_Index	Double	8	Calculated - Hydrogen Index = S_2* 100/TOC
Ox_Index	Double	8	Calculated - Oxygen Index = S_3* 100/TOC
HC_Shows	Double	8	Calculated - Hydrocarbon Shows = S_1
HC_Potential	Double	8	Calculated - Hydrocarbon Potential = S_1 + S_2
PI	Double	8	Calculated - Productivity Index = S_1/(S_1 + S_2)
PC	Double	8	Calculated - Pyrolyzed Carbon = 0.83 * (S_1 + S_2) /10
S2/S3	Double	8	Calculated - S2/S3

Dh_SAMPLES

Description: Data related to Drill Hole Sample interval, geological setting and description

Field	Type	Size	Description
Dh_Sample_ID	Long	4	(P) Key - Unique Identifier number for Sample
Unique_Identifier_Id	Long	4	(F) Key - link to Dh_Collar_Location table - Unique_Identifier

Sample_Number	Text	75	Company or laboratory Sample Number
Reference_Id	Long	4	(F) Key - link to COG_References table
Plot	Text	1	Default Y = yes; N = no when values do not fall within boundaries or are questionable
Calc_Depth_m	Single	4	Selected Sample Depth either Bottom_m or Depth_m depending on how depth was reported
Top_m	Single	4	Top of sample interval in down hole metres
Bottom_m	Single	4	Bottom of sample interval in down hole metres
Depth_m	Double	8	Depth of sample in down hole metres
Calc_Elevation	Double	8	Calculated Elevation from collar elevation minus down hole (calc) depth
Group	Long	4	(f) Key - link to Geological Group table
Formation	Long	4	(f) Key – link to Geological Formation table
Member	Long	4	(f) Key - link to Geological Formation Member table
Sample_Description	Memo	-	Sample lithological description
General_Note	Text	50	General Notes
Sample_Type	Text	10	Type of sample (core, chips, gas)
Palynology	Boolean	1	Notes existence of Palynology data

Dh_VITRINITE_REFLECTANCE

Description: Data related to Vitrinite Reflectance, Spore Colour and TAI Analyses of drill hole samples

Field	Type	Size	Description
Dh_Vitrinite_ID	Long	4	(P) Key - Unique Identifier for Vitrinite Reflectance data
Dh_Sample_Id	Long	4	(F) Key - link to Dh_SAMPLES table
Reference_id	Long	4	(F) Key - link to COG_REFERENCES table
Ro	Double	8	Vitrinite Reflectance in oil (%Ro) values
Ro_Std_Dev	Double	8	Standard deviation of Vitrinite Reflectance
Calc_Ro	Double	8	(f) Key - link to look up from ConvertToRo table
TAI	Text	15	Thermal Alteration Index values
Spore_Colour_Index	Single	4	Spore Colour Index values
Vitrinite_Notes	Memo	-	Vitrinite related notes - comments

LITHO_FORMATION

Description: Carboniferous Formation Names

Field	Type	Size	Description
Formation_ID	Long	4	(P) Key - Unique Identifier for Lithological Formations
Group_Id	Long	4	(F) Key - link to LITHO_GROUP table
Formation_Name	Text	50	Formation Name

LITHO_GROUP

Description: Carboniferous Group Names

Field	Type	Size	Description
Group_ID	Long	4	(P) Key - Unique Identifier for Lithological Group
Group_Name	Text	50	Lithological Group Name

LITHO_MEMBER

Description: Carboniferous Member Names

Field	Type	Size	Description
Member_ID	Long	4	(P) Key - Unique Identifier for Lithological Members
Formation_Id	Long	4	(F) Key - link to LITHO_FORMATION table
Member_Name	Text	50	Lithological Member Name

Rx_FISCHER_ASSAY

Description: Data related to Fischer Assay Analyses of surface samples

Field	Type	Size	Description
Rx_Fischer_ID	Long	4	(P) Key - Unique Identifier for Fischer Assay Anlayses
Rx_Sample_Id	Long	4	(F) Key - link to Rx_SAMPLE_DESCRIPTION table
Reference_Id	Long	4	(F) Key - link to COG_REFERENCES table
Oil_Gravity	Double	8	Specific gravity of the oil
Oil_Wt_%	Double	8	Weight percentage of oil
Volume_Oil_(l/t)	Double	8	Volume of oil recovered - calculated using mean density of 0.8719 g/ml at 15.5 C
%_Water_Yield	Double	8	Weight percentage of water

Water_Yield_(l/t)	Double	8	Volume of water recovered
Bulk_Density	Double	8	Bulk Density of the rock
Shale_Wt_%	Double	8	Weight percentage of shale or rock
Total_Loss_(g/100g shale)	Double	8	Percentage of Total Loss expressed as (g/100g), i.e., weight percentage
%_Gas_Loss	Double	8	Weight percent of Gas Loss
Gas_Plus_Loss_Wt_%	Double	8	Calculated - Weight percent of Gas Loss + Total Loss

Rx_ROCK_EVAL

Description: Data related to Rock-eval Analyses of surface samples

Field	Type	Size	Description
Rx_RockEval_Id	Long	4	(P) Key - Unique Identifier for Rock-eval Analyses
Rx_Sample_Id	Long	4	(F) Key - link to Rx_SAMPLE_DESCRIPTION table
Reference_ID	Long	4	(F) key - link to COG_REFERENCES table
Org_Carbon	Double	8	Total Organic Carbon (TOC) values
T_Max	Double	8	Tmax values
S_1	Double	8	S1 values
S_2	Double	8	S2 values
S_3	Double	8	S3 values
Hyd_Index	Single	4	Calculated - Hydrogen Index = S_2* 100/TOC
Ox_Index	Single	4	Calculated - Oxygen Index = S_3* 100/TOC
HC_Shows	Single	4	Calculated - HydroCarbon Shows = S_1
HC_Potential	Single	4	Calculated - HydroCarbon Potential = S_1 + S_2
PI	Single	4	Calculated - Productivity Index = S_1/(S_1 + S_2)
PC	Single	4	Calculated - Pyrolyzed Carbon = 0.83 * (S_1 + S_2) /10
S2/S3	Single	4	Calculated - S2/S3

Rx_SAMPLE_DESCRIPTION

Description: Data related to Rock Sample numbering and geological notes

Field	Type	Size	Description
Rx_Sample_ID	Long	4	(P) Key - Unique Identifier for surface sample
Rx_Sample_Location_Id	Long	4	(F) Key - link to Rx_SAMPLE_LOCATIONS table
Lab_Number	Text	75	Company / laboratory sample number
Sample_Number	Text	75	Company / laboratory sample number
Reference_Id	Long	4	(F) Key - link to COG_REFERENCES table
Plot	Text	1	Default Y =yes; N= no when values do not fall

			within boundaries or are questionable
Group	Long	4	(F) Key - link to Lithological Group
Formation	Long	4	(F) Key - link to Lithological Formation
Member	Long	4	(F) Key - link to Lithological Member
Sample_Description	Memo	-	Sample lithological description
General_Note	Text	50	General Notes
Palynology	Boolean	1	Indication that there is Palynology data

Rx_SAMPLE_LOCATIONS

Description: Geographic location and location details of surface samples

Field	Type	Size	Description
RX_Sample_Location_ID	Long	4	(P) Key - Unique Identifier
Company_Id	Long	4	(F)Key - link to COMPANY/LICENSEE table
Reference_Id	Long	4	(F) Key - link to COG_REFERENCES table
Latitude	Double	8	Latitude as degree with decimal, i.e., 46.56382 (North is assumed)
Longitude	Double	8	Longitude as degree with decimal, i.e., 63.56383 (West is assumed)
Ground_Elevation_m	Double	8	Ground Elevation in metres
NTS_50	Text	50	NTS sheet, i.e.,"21G/03"
Lat_Deg	Integer	2	Latitude Degree
Lat_Min	Integer	2	Latitude Minute
Lat_Sec	Single	4	Latitude Second with decimal
Long_Deg	Integer	2	Longitude Degree
Long_Min	Integer	2	Longitude Minute
Long_Sec	Single	4	Longitude Second with decimal
General Note	Text	50	General Notes
Location Note	Text	50	Location related notes

Rx_VITRINITE_REFLECTANCE

Description: Data related to Vitrinite Reflectance, Spore Colour and TAI Analyses of surface samples

Field	Type	Size	Description
Rx_Vitrinite_Id	Long	4	(P) Key - Unique Identifier for vitrinite reflectance data
Rx_Sample_Id	Long	4	(F) Key - link to Rx_SAMPLE_DESCRIPTION table
Reference_ID	Long	4	(F) Key - link to COG REFERENCES table
Ro	Double	8	Vitrinite Reflectance % in oil
Ro Std Dev	Double	8	Standard Deviation of Vitrinite Reflectance
Calc_Ro	Double	8	Ro calculated from TAI
TAI	Text	20	Thermal Alteration Index of spore assemblage
Spore_Colour_Index	Single	4	Spore Colour Index
Vitrinite_Notes	Memo	-	Vitrinite related notes - comments

Ministère des Ressources naturelles du Nouveau-Brunswick
Division des minéraux, des politiques et de la planification

Dossier public 2004-7

Données géochimiques organiques et données sur la maturation des strates carbonifères du Nouveau-Brunswick

Joseph MacIntosh et Clint St. Peter (compilateurs)

Format : Microsoft Access 2002
Taille de la base de données : environ 3 Mo
Accessibilité : fichier numérique seulement

ISSN 1713-2266
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Prix: 10 $ (CD-ROM)

Description de la base de données :

Les renseignements se trouvant à l'intérieur de cette base de données comprennent une compilation de données sur la maturation et de données géochimiques organiques que le ministère des Ressources naturelles a recueillies pendant plus de 20 ans. Les données proviennent d'études du ministère des Ressources naturelles du Nouveau-Brunswick, de levés de la Commission géologique du Canada, de thèses universitaires et de rapports de travaux d'exploration sur le pétrole, le gaz naturel et les schistes bitumineux. Des références spatiales sont fournies dans le cas de tous les échantillons cités. Les données géochimiques comprennent les résultats d'analyses Fisher et de travaux de pyrolyse Rock-eval de 3 600 échantillons de puits et 520 échantillons d'affleurements de charbon, de schiste et de schistes bitumineux. Les données sur la maturation comprennent la T maximale (tirées des analyses Rock-eval), la réflectance de la vitrinite (pourcentage d'ER) ainsi que les indices de changement thermique (ITC) et de changement de couleur (ICC) des assemblages de spores. Tous les indicateurs thermiques ont été convertis en équivalents de réflectance de la vitrinite.

Financement :

Cette base de données de maturation a été financée par le programme de l'Initiative Géoscientifique Ciblée (IGC) 2003-2005 de Ressources Naturelles du Canada et par le Ministère des Ressources Naturelles, division de la planification et de la politique du Nouveau-Brunswick. Elles furent produites dans le cadre du projet de Ressources Énergétiques de Appalaches canadienne et sont une contribution du programme de Consolidation des Connaissances en Géosciences du Canada du Secteur des Sciences de la Terre.

Tableaux de la base de données *NB_COG.mdb*

COG_REFERENCES

Description : Sources des données utilisées dans la création de cette base de données.

Champ	Type	Taille	Description
Reference_ID	long	4	Touche P – Numéro d'identification de la documentation utilisée.
COG_Reference	mémo	-	Référence du document des données de base.
Notes	mémo	-	Notes sur la documentation utilisée, c.-à-d. endroit, qualité, exactitude, etc.

COMPANY_LICENSEE

Description : Nom de la société.

Champ	Type	Taille	Description
Company_ID	long	4	Touche P – Identificateur unique de la société d'exploration ou du titulaire de permis de forage.
Company_Well_Licensee	texte	75	Nom de la société d'exploration ou du titulaire de permis de forage.

ConvertToRo

Description : Table de conversion utilisée pour l'affectation de pourcentages d'équivalence de réflectance aux données sur la T maximale et l'indice de changement thermique dans les énoncés SQL.

Champ	Type	Taille	Description
TMax	double	8	T maximale Rock-eval.
TAI	double	8	Indice de changement thermique.
Ro	double	8	Pourcentages d'équivalence de réflectance (% ER).

Dh_COLLAR_LOCATION

Description : Emplacement géographique et détails sur l'emplacement.

Champ	Type	Taille	Description
Unique_Identifier	long	4	Touche P – Identificateur unique correspondant à la Base de données des puits de forage du N.-B.

Company_Id	long	4	Touche F – Identificateur de la société.
Well_Name_and_Number	texte	60	Nom et numéro de puits de la société.
Latitude	double	8	Latitude en degrés avec décimales, p. ex. 46,56382 (implicitement nord).
Longitude	double	8	Longitude en degrés avec décimales, p. ex. 63,56383 (implicitement ouest).
Spud_Date	texte	50	Date de début du puits de forage sous forme textuelle, soit « aaaa/mm/jj ».
County	texte	25	Comté provincial.
NTS	texte	15	Numéro de feuille de carte du SNRC, p. ex. « 21G/10W ».
NTS_50	texte	50	Numéro de feuille de carte du SNRC, p. ex. « 21G/09 ».
Lat_Deg	nombre entier	2	Degrés de latitude.
Lat_Min	nombre entier	2	Minutes de latitude.
Lat_Sec	simple	4	Secondes de latitude avec décimales.
Long_Deg	nombre entier	2	Degrés de longitude.
Long_Min	nombre entier	2	Minutes de longitude.
Long_Sec	simple	4	Secondes de longitude avec décimales.
Ground_Elevation_m	texte	50	Élévation du terrain en mètres à l'orifice.
Total_Depth_m	double	8	Profondeur finale du puits à partir de l'orifice.
Geological_Units	texte	255	Liste des unités géologiques relevées.
Depth_to_Coal_m	double	8	Profondeur en mètres à laquelle le charbon a été recoupé.
Prospect	texte	35	Ressources recherchées (charbon, pétrole, potasse, etc.).
Remarks	mémo	-	Commentaires généraux.
Inclination	simple	4	Angle du trou par rapport à l'horizontale.
Kelly_Elevation_m	simple	4	Élévation de Kelly sur l'appareil de forage.
True_Azimuth	simple	4	Azimut vrai des trous non verticaux.
Geological_Notes	mémo	-	Notes géologiques.
Expected_Depth	double	8	Profondeur prévue du trou.
Status	texte	15	État final du trou.
Updated	date/heure	8	Dernière mise à jour de cet orifice – préciser la date sous la forme « aaaa/mm/jj ».
Status_Code	texte	10	Code d'état.
Well_History	texte	60	Antécédents de production, p.ex. « puits producteur pétrolier et gazier », « trace de gaz », « puits sec », etc.

Dh_FISCHER_ASSAY

Description : Données relatives aux analyses Fischer de la teneur des échantillons des puits de forage.

Champ	Type	Taille	Description
Dh_Fischer_ID	long	4	Touche P – Identificateur unique des analyses Fischer.
Dh_Sample_Id	long	4	Touche F – Tableau Dh_SAMPLES.
Reference_Id	long	4	Touche F – Tableau COG_REFERENCES.
Oil_Gravity	double	8	Densité relative du pétrole.
Oil_Wt_%	double	8	Pourcentage massique de pétrole.
Volume_Oil_(l/t shale)	double	8	Volume de pétrole récupéré – calculé à l'aide d'une densité moyenne de 0,8719 g/ml à 15,5 °C.
%_Water_Yield	double	8	Pourcentage massique d'eau.
Water_Yield_(l/t)	double	8	Volume d'eau récupéré.
Bulk_Density	double	8	Densité apparente de la roche.
Shale_Wt_%	double	8	Pourcentage massique de schiste ou de roche.
Total_Loss_(g/100g shale)	double	8	Pourcentage de la perte totale exprimé en g/100g, c.-à-d. pourcentage massique.
%_Gas_Loss	double	8	Pourcentage massique de la perte de gaz.
Gas_Plus_Loss_Wt %	double	8	Calcul – pourcentage massique de la perte de gaz + perte totale.

Dh_ROCK_EVAL

Description : Données relatives aux analyses Rock-eval des échantillons des puits de forage.

Champ	Type	Taille	Description
Dh_RockEval_ID	long	4	Touche P – Identificateur unique des analyses Rock-eval.
Dh_Sample_Id	long	4	Touche F – Tableau Dh_SAMPLES.
Reference_Id	long	4	Touche F – Tableau COG_REFERENCES.
Org_Carbon	double	8	Concentrations de carbone organique total (COT).
T_Max	nombre entier	2	T maximales.
S_1	double	8	Valeurs S1.
S_2	double	8	Valeurs S2.
S_3	double	8	Valeurs S3.
Hyd_Index	double	8	Calcul – Indice d'hydrogène = S_2* 100/COT.
Ox_Index	double	8	Calcul – Indice d'oxygène = S_3* 100/COT.
HC_Shows	double	8	Calcul – Traces d'hydrocarbures = S_1
HC_Potential	double	8	Calcul – Potentiel d'hydrocarbures = S_1 + S_2
PI	double	8	Calcul – Indice de productivité = S_1/(S_1 + S_2)
PC	double	8	Calcul – Carbone pyrolisé = 0,83 * (S_1 + S_2) /10
S2/S3	double	8	Calcul - S2/S3

Dh_SAMPLES

Description : Données faisant état de l'intervalle d'échantillonnage des puits de forage, du cadre géologique et d'une description.

Champ	Type	Taille	Description
Dh_Sample_ID	long	4	Touche P – Numéro d'identification unique de l'échantillon.
Unique_Identifier_Id	long	4	Touche F – Lien avec le tableau Dh_Collar_Location – Identificateur unique.
Sample_Number	texte	75	Numéro d'échantillon de la société ou du laboratoire.
Reference_Id	long	4	Touche F –Lien avec le tableau COG_References.
Plot	texte	1	Implicitement Y = oui; N = non, lorsque les valeurs ne s'insèrent pas à l'intérieur des limites ou qu'elles sont douteuses.
Calc_Depth_m	simple	4	Profondeur de l'échantillon sélectionné, soit Bottom_m ou Depth_m, selon le mode de signalement de la profondeur.
Top_m	simple	4	Sommet de l'intervalle d'échantillonnage en mètres de profondeur.
Bottom_m	simple	4	Fond de l'intervalle d'échantillonnage en mètres de profondeur.
Depth_m	double	8	Profondeur de l'échantillon en mètres de profondeur.
Calc_Elevation	double	8	Élévation calculée de l'orifice moins la profondeur (calculée) du fond du trou.
Group	Long	4	Touche F – Lien avec le tableau des groupes géologiques.
Formation	Long	4	Touche F – Lien avec le tableau des formations géologiques.
Member	Long	4	Touche F – Lien avec le tableau des membres de formations géologiques.
Sample_Description	mémo	-	Description lithologique de l'échantillon.
General_Note	texte	50	Notes générales.
Sample_Type	texte	10	Type d'échantillon (carotte, par saignée, gaz).
Palynology	booléen	1	Signale l'existence de données de palynologie.

Dh_VITRINITE_REFLECTANCE

Description : Données relatives à la réflectance de la vitrinite, à la couleur des spores et aux analyses des ICT des échantillons des puits de forage.

Champ	Type	Taille	Description
Dh_Vitrinite_ID	long	4	Touche P – Identificateur unique des données de réflectance de la vitrinite.
Dh_Sample_Id	long	4	Touche F – Lien avec le tableau Dh_SAMPLES.
Reference_Id	long	4	Touche F – Lien avec le tableau COG_REFERENCES.
Ro	double	8	Pourcentages de réflectance de la vitrinite dans le pétrole (% d'ER).
Ro_Std_Dev	double	8	Écart-type de la réflectance de la vitrinite.
Calc_Ro	double	8	Touche F – Lien à consulter à partir de la table ConvertToRo.
TAI	texte	15	Indices de changement thermique.
Spore_Colour_Index	simple	4	Indices de couleur des spores.
Vitrinite_Notes	mémo	-	Notes concernant la vitrinite – Commentaires.

LITHO_FORMATION

Description : Noms des formations du Carbonifère.

Champ	Type	Taille	Description
Formation_ID	long	4	Touche P - Identificateur unique des formations lithologiques.
Group_Id	long	4	Touche F – Tableau Litho_Group.
Formation_Name	texte	50	Nom de la formation.

LITHO_GROUP

Description : Noms des groupes du Carbonifère.

Champ	Type	Taille	Description
Group_ID	long	4	Touche P – Identificateur unique des groupes lithologiques.
Group_Name	texte	50	Nom du groupe lithologique.

LITHO_MEMBER

Description : Noms des membres du Carbonifère.

Champ	Type	Taille	Description
Member_ID	long	4	Touche P – Identificateur unique des membres lithologiques.
Formation_Id	long	4	Touche F – Tableau Litho_Formation.
Member_Name	texte	50	Nom du membre lithologique.

Rx_FISCHER_ASSAY

Description : Données concernant les analyses Fischer de la teneur des échantillons de surface.

Champ	Type	Taille	Description
Rx_Fischer_ID	long	4	Touche P – Identificateur unique des analyses Fischer de la teneur.
Rx_Sample_Id	long	4	Touche F – Lien avec le tableau Rx_SAMPLE_DESCRIPTION.
Reference_Id	long	4	Touche F – Lien avec le tableau COG_REFERENCES.
Oil_Gravity	double	8	Densité relative du pétrole.
Oil_Wt_%	double	8	Pourcentage massique de pétrole.
Volume_Oil_(l/t)	double	8	Volume de pétrole récupéré – calculé à l'aide d'une densité moyenne de 0,8719 g/ml à 15,5 °C.
%_Water_Yield	double	8	Pourcentage massique d'eau.
Water_Yield_(l/t)	double	8	Volume d'eau récupéré.
Bulk_Density	double	8	Densité apparente de la roche.
Shale_Wt_%	double	8	Pourcentage massique de roche ou de schiste.
Total_Loss_(g/100g shale)	double	8	Pourcentage de la perte totale exprimé en g/100g, c.-à-d. pourcentage massique.
%_Gas_Loss	double	8	Pourcentage massique de la perte de gaz.
Gas_Plus_Loss_Wt_%	double	8	Calcul – Pourcentage massique de la perte de gaz + perte totale.

Rx_ROCK_EVAL

Description : Données relatives aux analyses Rock-eval des échantillons de surface.

Champ	Type	Taille	Description
Rx_RockEval_Id	long	4	Touche P – Identificateur unique des analyses Rock-eval.
Rx_Sample_Id	long	4	Touche F – Lien avec le tableau Rx_SAMPLE_DESCRIPTION.

Reference_ID	long	4	Touche F – Lien avec le tableau COG_REFERENCES.
Org_Carbon	double	8	Concentrations de carbone organique total (COT).
T_Max	double	8	T maximales.
S_1	double	8	Valeurs S1.
S_2	double	8	Valeurs S2.
S_3	double	8	Valeurs S3.
Hyd_Index	simple	4	Calcul – Indice d'hydrogène = S_2* 100/COT
Ox_Index	simple	4	Calcul – Indice d'oxygène = S_3* 100/TOC
HC_Shows	simple	4	Calcul – Traces d'hydrocarbures = S_1
HC_Potential	simple	4	Calcul – Potentiel d'hydrocarbures = S_1 + S_2
PI	simple	4	Calcul – Indice de productivité = S_1/(S_1 + S_2)
PC	simple	4	Calcul – Carbone pyrolisé = 0,83 * (S_1 + S_2) /10
S2/S3	simple	4	Calcul – S2/S3

Rx_SAMPLE_DESCRIPTION

Description : Données relatives à la numérotation des échantillons de roche et notes géologiques pertinentes.

Champ	Type	Taille	Description
Rx_Sample_ID	long	4	Touche P – Identificateur unique d'échantillon de surface.
Rx_Sample_Location_Id	long	4	Touche F – Lien avec le tableau Rx_SAMPLE_LOCATIONS.
Lab_Number	texte	75	Numéro d'échantillon de la société/du laboratoire.
Sample_Number	texte	75	Numéro d'échantillon de la société/du laboratoire.
Reference_Id	long	4	Touche F – Lien avec le tableau COG_REFERENCES.
Plot	texte	1	Implicitement Y = oui; N = non, lorsque les valeurs ne s'insèrent pas à l'intérieur des limites ou qu'elles sont douteuses.
Group	long	4	Touche F – Lien avec le groupe lithologique.
Formation	long	4	Touche F – Lien avec la formation lithologique.
Member	long	4	Touche F – Lien avec le membre lithologique.
Sample_Description	mémo	-	Description lithologique de l'échantillon.
General_Note	texte	50	Notes générales.
Palynology	booléen	1	Indication signalant l'existence de données de palynologie.

Rx_SAMPLE_LOCATIONS

Description : Emplacement géographique des échantillons de surface et détails sur l'emplacement.

Champ	Type	Taille	Description
RX_Sample_Location_ID	long	4	Touche P – Identificateur unique.
Company_Id	long	4	Touche F – Tableau des sociétés/titulaires de permis.
Reference_Id	long	4	Touche F – Lien avec le tableau COG_REFERENCES.
Latitude	double	8	Latitude en degrés avec décimales, p. ex. 46,56382 (implicitement nord).
Longitude	double	8	Longitude en degrés avec décimales, p. ex. 63,56383 (implicitement ouest).
Ground_Elevation_m	double	8	Élévation du terrain en mètres.
NTS_50	texte	50	Feuille du SNRC, p. ex. « 21G/03 ».
Lat_Deg	nombre entier	2	Degrés de latitude.
Lat_Min	nombre entier	2	Minutes de latitude.
Lat_Sec	simple	4	Secondes de latitude.
Long_Deg	nombre entier	2	Degrés de longitude.
Long_Min	nombre entier	2	Minutes de longitude.
Long_Sec	simple	4	Secondes de longitude.
General Note	texte	50	Notes générales.
Location Note	texte	50	Notes relatives à l'emplacement.

Rx_VITRINITE_REFLECTANCE

Description : Données relatives à la réflectance de la vitrinite, à la couleur des spores et aux analyses des ICT des échantillons de surface.

Champ	Type	Taille	Description
Rx_Vitrinite_Id	log	4	Touche P – Identificateur unique des données de réflectance de la vitrinite.
Rx_Sample_Id	long	4	Touche F – Lien avec le tableau DH_Samples.
Reference_ID	long	4	Touche F – Lien avec le tableau COG REFERENCES.
Ro	double	8	Pourcentage de réflectance de la vitrinite dans le pétrole.
Ro Std Dev	double	8	Écart-type de la réflectance de la vitrinite.
Calc_Ro	double	8	ER calculé à partir de l'ICT.
TAI	texte	20	Indice de changement thermique des assemblages de spores.
Spore_Colour_Index	simple	4	Indice de couleur des spores.
Vitrinite_Notes	mémo	-	Notes concernant la vitrinite – commentaires.

Refer	COG_Reference	Notes
1	CHEVRON CANADA RESOURCES LIMITED, 1984. Interim Report: Results of Geochemical Analysis, Moncton Subbasin, New Brunswick, 1984, 06-20, June 20th, 1984 [Part of Exploration Records Document, File Address SC12058301]	Tables 1A, 1B, 1C, 2A, 2B,and 2C Recreated by NB DNR from photo copies of originals, a formal report was never prepared by Chevron INCLUDES: Leatherbarrow, R., 1983 Cheveron - Table 1B Three-D GeoConsultants, 1982 - Table 2A, 2B
2	Smith, William D. 1985, Composition and Depositional Environment of the Albert Formation Oil Shales, New Brunswick, Master of Science Theisis, Dalhousie University, Halifax, Nova Scotia, May 1985, p 121)	Print out (Data in theisis p 117-124)
3	MACAULEY, G. and BALL, F.D. 1982. Oil shales of the Albert Formation, New Brunswick. New Brunswick Department of Natural Resources, Mineral Resources Division, Open File Report 82-12, 173 p.	CORE Laboratories, Inc., 1982, Blake, Robert and Swetland, Paul.J., Total Organic Carbon and Rock-Eval Pyrolysis, Job Number: 82021, letter to Don Gemmell (DNR), Feb. 25, 1982
4	Chowdhury, A.H., 1988. Partially unpublished data tables, 4 p.	Possible source for Chowdhury, Fowler and Noble 1991 GSC Contribution 42190. Most of the data is also reported it (COG Ref 28) but not all.
5	Fanjoy, Robert, Institute of Sedimentry and Petroleum Geology, letter to Clint St. Peter, January 12, 1993	Date on analytical results has typo "Jan 12, 1992"

Refer	COG_Reference	Notes
6	CORE Laboratories, Inc., 1985, Blake, Robert and Swetland, Paul.J., Total Organic Carbon and Rock-Eval Pyrolysis, Job Number: 85020, letter to Clint St. Peter, April 3, 1985	
7	St. Peter, Clint, 1982. NBDNR 1982, letter to Mr Greorge Macauley from Clint St. Peter, with attached lithologic descriptions, lab results and maps, December 03, 1982	Needs duplication
8	CORE Laboratories, Inc., 1985, Blake, Robert, Total Organic Carbon and Rock-Eval Pyrolysis, 12 Shales and Mudstones, Job Number: 85020, letter to Clint St. Peter, March 15, 1985	Same job number as ref 6 but samples from drillhole
9	Bagnell, Carol and Brown, G.D., RPC, 1986, Analysis of Oil Shale, Job Number: 0300106, letter to Clint St. Peter, April 09, 1986	
10	Macauley, G, and Ball, F.D., 1987. Organic geochemistry of Albert Formation oil shales in the Dover-Boudreau area, New Brunswick, Geological Survey of Canada, Institute of Sedimentary and Petroleum Geology, Open File, GSC-OF 1497, 36 p.	See Also COG Ref 44

Refer	COG_Reference	Notes
11	Wright, J.Y., 1982 Petro-Canada St.Joseph oil shale project, Westmorland County, New Brunswick; unpublished company report in files of New Brunswick Department of Natural Resources, Mineral Resources Division	Referenced in Macauley and Ball COG_Ref 10, located in middle cardboard box, bottom shelf, Clint's corner, file room
12	Williams, D.G., Stone & Webster Canada Limited, 1986, Albert Formation Oil Shale, letter To Clint St. Peter, February 12, 1986	Fischer Assay and analyses
13	Kalkreuth, Wolfgang and MacAuley, George, 1984. Organinc petrology of selected oil shale samples from the Lower Carboniferous Albert Formation, New Brunswick, Canada. Bulletin, Canadian Petroleum Geology, Vol. 32, pp. 38-51.	Most of the data in this report is also in COG_Ref #3 (1982) with exception to the %Ro
14	Hacquebard, P.A. and Avery, M.P., 1984, Geological and geothermal effects on coal rank variations in the Carboniferous Basin of New Brunswick; in Current Research, Part A, Geological Survey of Canada, Paper 84-1A, p.17-28, 1988	Data in Table 3.1 pgs 25-27. Carboniferous Drilling Project
15	Hacquebard, P.A. and Donaldson, J.R., 1970, Coal metamorphism and hydrocarbon potential in the Upper Paleozoic of the Atlantic Provinces, Canada, Geological Survey of Canada, Ottawa, Canada; Table II, pg. 1159-1160	

Refer	COG_Reference	Notes
16	CORE Laboratories Inc., 1989, Total Organic Carbon and Rock-Eval Pyrolysis of 58 Well Cuttings (from Shell - Dorchester N0.1), Job Number: 89088, letter to Clint St. Peter, April 20 1989	
17	Brown, G. , RPC, 1982, Analysis of Oil Shale, Job Number: 3857/2, letter report to Clint St. Peter, March 09, 1982	
18	Brown, D.F. and Whaley, K.D.A. 1986. Oil shale assessment of the Albert Formation in the Rosevale area of Albert County, New Brunswick. New Brunswick Department of Forests, Mines and Energy, Mineral Resources Division, Open File Report 86-7, 125 p.	
19	Dolby, G., 1998, Maturation Analysis of Four Wells in New Brunswick. Project 97.20, G. Dolby & Associates, February 1998.	
20	Baseline DGSI Analytical Laboratories, 2002. Geochemical Analysis for CS01, Project: 01-714-A, February 2002.	

Refer	COG_Reference	Notes
21	van Heldon, B.G., 1982-10-06	Fax with Attached TAI results for several drill holes, had bad copy retyped
22	Dolby, G., 2003. Palynofacies analysis of 51 outcrop, corehole & well cuttings samples from New Brunswick. Unpublished report (Project: 2002/25 - Sussex & Wards Creek Area). Prepared for the New Brunswick Department of Natural Resources and Energy, Energy Branch, by G. Dolby & Associates, 18 p.	39 Outcrop; 6 Corehole; 6 Well samples for palynology, only well samples have maturation data (Ro)
23	Dolby, G., 1993, Palynology analysis of outcrop samples from New Brunswick. Unpublished report (Project 92.12) prepared for the New Brunswick Department of Natural Resources and Energy, Energy Branch, 30 p.	
24	Utting,J. 1999. Palynological examination of six samples from the Carboniferous of New Brunswick requested by Clint St. Peter (NTS: 21H/16W; 21H/15W; 21H/14E; 21I/02E). Department of Natural Resouces Canada, Geological Surbey of Canada, Unpublished Paleontology Report 2-JU-1999, 4p.	
25	Chowdhury, Ali H., Fowler, Martin G. and Noble, James P.A., 1991. Petroleu Geochemistry and Geology of the Albert Formation, Moncton Subbasin, New Brunswick, Canada. Bulletin of Canadian Petroleum Geology, Vol. 39, No. 4 (Dec.,1991) p 315-331.	Data is also in Thesis (COG Ref 45). %Ro in these tables may not always be assigned to correct sample, see %Ro data table in Thesis.

Refer	COG_Reference	Notes
26	Mukhopadhyay, P.K., 1990. Return of samples and polish plugs, Global Geoenergy Research Ltd.(GGRL), May 11, 1990, letter and attached data to Clint St. Peter	Data was first found in Ref. 13 but this is closer to the original source.
27	Macauley, George, 1983. Rock-eval pyrolysis and XRD analysis from CanOxy Shenstone 81-1 and Albert Mines 81-9), Sampled by F.Dwight Ball, Three-D GeoConsultants1982?`	
28	Chowdhury, Ali, ???? New Brunswick: Albert Formation, ISPG Calgary, data printout	Rough photocopy of Print out of multiple sites/holes (retyped). Most but not all of the data is reported in COG Ref 25 and/or 45
29	Ball, Dwight, 1981. Memo To RPC (Canadian Occidental Petro. Albert Mines #2 sample yield), from Dwight Ball, New Brunswick Department of Natural Resources, March 05, 1981	Source of data not found, See also Ref 3
30	Donaldson, J.Roger, 1970, Results of Reflectance Study of Coal Sample From Hopewell Cape.	Vauge location, source hole not in borehole catalogue, added to COG as unique ID 2000

Refer	COG_Reference	Notes
31	Lynch, Gregory, 1999, Shell Canada Limited Albert Oil Shales Geological Results From Slim Hole Drilling Program, 1998-99, 15 November, 1999, 33p +	Original Report in Lori's office, we received a series of Excel spreadsheets from which we extracted the data used
32	Mukhopadhyay, Dr. P.K., 2002, RESEARCH REPORT - Source Rock Characterization and Maturation of Sediments From The EOG-Corridor McCully D-48 Well, Onshore New Brunswick, Eastern Canada With an Interpretation on the Geochemistry of Gaseous Hydrocarbons, April 06, 2002, 16p +	
33	Utting, J., 1987, Geological Survey of Canada Bulletin 374 - Palynology of the Lower Carboniferous Windsor Group and Windsor-Canso Boundary Beds of Nova Scotia, and Their Equivalents in Quebec, New Brunswick and Newfoundland, 1987	Only 2 sample locations in NB I - outcrop site and 1 drill hole
34	Utting, J., 1987, Geological Survey of Canada Contribution No. 39286 - Palynostratigraphic Investigation of the Albert Formation (Lower Carboniferous) of New Brunswick, Canada, 1987	
35	Mukhopadhyay, Dr. P.K., 2002, RESEARCH REPORT - Maturation of Twenty Samples, Wells: U1 717 Corridor-PCS McCully C-75, KMG et al Urney #1, And Irving-Chevron Lee Brook #1, New Brunswick, August 12, 2002	

Refer	COG_Reference	Notes
36	Mukhopadhyay, Dr. P.K., 2002, RESEARCH REPORT - Source rock characterization and maturation of sediments from the EOG-Corridor McCully H-28 well and five outcrop samples, Onshore New Brunswick, Eastern Canada with an interpretation on the Geochemistry of gaseous hydrocarbons in the well, submitted to K.F.Hanson EOG Resources, June 28, 2002	Original Lori's office ONG-154 Box 9 Locations of samples in report are incorrect in location name and Lat's - Long's
37	CORE Laboratories - Canada Ltd., 1976, Oil Shale Assay Analysis For Canadian Occidental Petroleum Ltd., Canoxy Albert Mines #4, Albert Mines, New Brunswick, December 1976 4p	Original in BWD - 346
38	Mukhopadhyay, Dr. P.K., 2004, Unpublished report - Organic Geochemical Data Report of Source Rocks from New Brunswick, Global Geoenergy Research Ltd., July 09, 2004	
39	Ford, Dr. Jancis H., 2004, Unpublished report - Thermal Maturity Determination from Spore Colouration of Well and Outcrop Samples from Carboniferous Strata, New Brunswick, Canada, Ford Biostratigraphic Services, July 2004, 10 p.	
40	Ball, F. Dwight, 1987. Evaluation of Bituminous Shale Licence to Search L85-01. (prepared for Cartago Resources Inc. by Three-D GeoConsultants Ltd.), October 15, 1987, 34 p.	Fischer Assay analyses; See Also COG Ref 10

Refer	COG_Reference	Notes
41	Chowdhury, A.H., 1995. Sedimentology, diagenesis and organic geochemistry of the Albert Formation, Moncton Subbasin, New Brunswick, Canada. Unpublished Ph.D Thesis, University of New Brunswick, Fredericton, New Brunswick, Canada. 249p.	%Ro data is assumed correct in this theisis

Company_ID	Company_Well_Licensee
1	Atlantic Orebodies Inc.
2	Atlantic Richfield Company
3	British Petroleum Exploration Canada Ltd.
4	Canadian Merrill
5	Canadian Occidental Petroleum
6	Cartago Resources Ltd.
7	Columbia Natural Resources Canada Limited
8	Corridor Resources Inc.
9	D'Arcy Exploration Company
10	EOG Resources Canada Inc.
11	Geological Survey of Canada
12	Gulf Minerals Canada Ltd.
13	Hudson's Bay Oil and Gas Company Limited
14	Imperial Oil Limited/New Brunswick Oilfields Ltd.
15	International Minerals and Chemical Corporation
16	International Water Supply Ltd.
17	Irving Oil Limited/Chevron Canada Resources Ltd.
18	Jean Mariadassou
19	Jonpol Explorations
20	Kerr-McGee Corporation
21	Killarney Oil & Gas Development Company Ltd.
22	Lynx Canada Explorations Limited
23	MariCo Oil and Gas Corporation
24	Maritime Oilfields Ltd.
25	Mobil Oil Canada Limited
26	New Brunswick Gas and Oilfields Ltd.
27	New Brunswick Oilfields Ltd.
28	New Brunswick Oilfields Ltd./Shell Oil Company
29	Noranda Exploration Company Limited
30	Noranda Mining and Exploration Inc.
31	PCS Potash (New Brunswick Division)
32	Petro-Canada
33	Potash Company of America

Company_ID	Company_Well_Licensee
34	Potash Corporation of Saskatchewan, Inc.
35	Province of New Brunswick
36	Province of New Brunswick / Carboniferous Drilling Project
37	RHT Enterprises Ltd.
38	Seru Nucleaire Canada Ltee
39	Shell Canada Limited
40	Shell Oil Company
41	Shell Oil Company/New Brunswick Oilfields Ltd.
42	Sifto Salt Ltd.
43	Three-D GeoConsultants Ltd.
44	United Oils Limited
45	W. Chappel 1
46	Chevron Canada Resources Ltd.
47	Unknown
48	Rio Tinto
49	Canadian Nickel Company Ltd.
50	Findathoran Syndicate

TMax	TAI	Ro
320	0.65	0.058
321		0.060875
322		0.06375
323	0.7	0.066625
324		0.0695
325		0.072375
326	0.75	0.07525
327		0.078125
328		0.081
329	0.8	0.083875
330		0.08675
331		0.089625
332	0.85	0.0925
333		0.095375
334		0.09825
335	0.9	0.101125
336		0.104
337		0.106875
338	0.95	0.10975
339		0.112625
340		0.1155
341	1	0.118375
342		0.12125
343		0.124125
344	1.05	0.127
345		0.129875
346		0.13275
347	1.1	0.135625
348		0.1385
349		0.141375
350	1.15	0.14425
351		0.147125
352	1.2	0.15
353		0.152875
354		0.15575
355	1.25	0.158625
356		0.1615
357		0.164375
358	1.3	0.16725
359		0.170125
360		0.173
361	1.35	0.175875
362		0.17875
363		0.181625
364	1.4	0.1845
365		0.187375

TMax	TAI	Ro
366		0.19025
367	1.45	0.193125
368		0.196
369		0.198875
369.4	1.5	0.2
370		0.20175
371		0.204625
372	1.55	0.2075
373		0.210375
374		0.21325
375	1.6	0.216125
376		0.219
377		0.221875
378	1.65	0.22475
379		0.227625
380		0.2305
381	1.7	0.233375
382		0.23625
383		0.239125
384	1.75	0.242
385		0.244875
386		0.24775
387	1.8	0.250625
388		0.2535
389		0.256375
390	1.85	0.25925
391		0.262125
392		0.265
393	1.9	0.267875
394		0.27075
395		0.273625
396	1.95	0.2765
397		0.279375
398		0.28225
399	2	0.285125
400		0.288
401	2.05	0.29528
402		0.30256
403		0.30984
404	2.1	0.31712
405		0.3244
406		0.33168
407	2.15	0.33896
408		0.34624
409		0.35352
410	2.2	0.3608

TMax	TAI	Ro
411		0.36808
412		0.37536
413	2.25	0.38264
414		0.38992
415		0.3972
415.4	2.3	0.4
416		0.40448
417		0.41176
418	2.35	0.41904
419		0.42632
420		0.4336
421	2.4	0.44088
422		0.44816
423		0.45544
424	2.45	0.46272
425		0.47
426		0.4859
426.9	2.5	0.5
427		0.5018
428		0.5177
429	2.55	0.5336
430		0.5495
431		0.5654
432	2.6	0.5813
433		0.5972
434		0.6131
435	2.65	0.629
436		0.65133
437		0.67367
438	2.7	0.696
439		0.71833
440		0.74067
441	2.75	0.763
442		0.78533
443		0.80767
443.3	2.8	0.81428
444		0.83
445	2.85	0.85233
446		0.87467
447		0.897
448	2.9	0.91933
449		0.94167
450	2.95	0.964
451		0.98096
452		0.99792
452.1	3	1

TMax	TAI	Ro
453		1.01488
454		1.03184
455		1.0488
456		1.06576
457	3.05	1.08272
458		1.09968
459		1.11664
460		1.1336
461	3.1	1.15056
462		1.16752
463		1.18448
464		1.20144
465		1.2184
466	3.15	1.23536
467		1.25232
468		1.26928
469		1.28624
470		1.3032
471	3.2	1.32016
472		1.33712
473		1.35408
474		1.37104
475	3.25	1.388
476		1.4062
477		1.4244
478		1.4426
479		1.4608
480	3.3	1.479
481		1.4972
482		1.5154
483		1.5336
484		1.5518
485	3.35	1.57
486		1.5882
487		1.6064
488		1.6246
489	3.4	1.6428
490		1.661
491		1.6792
492		1.6974
493		1.7156
494	3.45	1.7338
495		1.752
496		1.7702
497		1.7884
498	3.5	1.8066

TMax	TAI	Ro
499		1.8248
500		1.843
501		1.85264
502		1.86228
503	3.55	1.87192
504		1.88156
505		1.8912
506		1.90084
507		1.91048
508	3.6	1.92012
509		1.92976
510		1.9394
511		1.94904
512	3.65	1.95868
513		1.96832
514		1.97796
515		1.9876
516		1.99724
516.3	3.7	2
517		2.00688
518		2.01652
519		2.02616
520		2.0358
521		2.04544
522		2.05508
523		2.06472
524		2.07436
525		2.084
526		2.09364
527		2.10328
528		2.11292
529		2.12256
530		2.1322
531		2.14184
532		2.15148
533		2.16112
534		2.17076
535		2.1804
536		2.19004
537		2.19968
538	3.75	2.20932
539		2.21896
540		2.2286
541		2.23824
542		2.24788
543		2.25752

TMax	TAI	Ro
544		2.26716
545		2.2768
546		2.28644
547		2.29608
548		2.30572
549		2.31536
550		2.325
551		2.34175
552		2.3585
553		2.37525
554		2.392
555		2.40875
556		2.4255
557		2.44225
558		2.459
559		2.47575
560		2.4925
561	3.8	2.50925
562		2.526
563		2.54275
564		2.5595
565		2.57625
566		2.593
567		2.60975
568		2.6265
569		2.64325
570		2.66
571		2.67675
572		2.6935
573		2.71025
574		2.727
575		2.74375
576		2.7605
577		2.77725
578		2.794
579		2.81075
580		2.8275
581		2.84425
582		2.861
583	3.85	2.87775
584		2.8945
585		2.91125
586		2.928
587		2.94475
588		2.9615
589		2.97825

TMax	TAI	Ro
590		2.995
591		3.01175
592		3.0285
593		3.04525
594		3.062
595		3.07875
596		3.0955
597		3.11225
598		3.129
599		3.14575
600		3.1625
601		3.17925
602		3.196
603		3.21275
604		3.2295
605	3.9	3.24625
606		3.263
607		3.27975
608		3.2965
609		3.31325
610		3.33
611		3.34675
612		3.3635
613		3.38025
614		3.397
615		3.41375
616		3.4305
617		3.44725
618		3.464
619		3.48075
620		3.4975
621		3.51425
622		3.531
623		3.54775
624		3.5645
625		3.58125
626		3.598
627		3.61475
628	3.95	3.6315
629		3.64825
630		3.665
631		3.68175
632		3.6985
633		3.71525
634		3.732
635		3.74875

TMax	TAI	Ro
636		3.7655
637		3.78225
638		3.799
639		3.81575
640		3.8325
641		3.84925
642		3.866
643		3.88275
644		3.8995
645		3.91625
646		3.933
647		3.94975
648		3.9665
649		3.98325
650	4	4

Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
1	Pr	185	46.13611	63.88389	1978/08/29	Westmorland
2	Pr	209	46.10028	63.79472	1978/08/29	Westmorland
3	Pr	210	46.06	63.93	1978/08/30	Westmorland
4	M	Chinampas N-37	44.94778	66.58972	1975/03/03	Bay of Fundy
5	Pr	293	45.73028	66.07083	1978/06/30	Queens
6	Pr	300	45.74722	66.92056	1978/06/09	York
7	Pr	303	45.65667	66.55694	1978/06/24	Sunbury
8	Pr	305	45.64278	66.75778	1978/06/19	Sunbury
9	Pr	306	45.68222	66.90028	1978/06/12	York
10	Pr	307	45.59111	66.82972	1978/06/20	Sunbury
11	Pr	308	45.56667	66.90167	1978/06/22	York
12	Pr	1304	45.68361	66.68389	1978/01/06	Sunbury
13	Pr	309	45.58944	67.04417	1978/06/10	York
14	Ki	Marysville D.D.M.2	45.97278	66.60806	1959/XX/XX	York
15	S	Fredericton 1	45.90556	66.73333	1979/02/05	York
16	S	Fredericton 2	45.93222	66.65861	1979/03/15	York
17	Pr	249	45.98583	66.66722	1977/12/06	York
18	Pr	268	45.91333	66.52528	1978/06/06	Sunbury
19	Pr	270	45.88639	66.77722	1978/06/07	Sunbury
20	Pr	285	45.8275	66.57861	1978/06/15	Sunbury
21	Pr	286	45.83639	66.67639	1978/06/15	York
22	Pr	287	45.81583	66.83722	1978/06/08	York
23	Pr	297	45.75528	66.57333	1978/06/17	Sunbury
24	Pr	298	45.73972	66.67028	1978/06/13	Sunbury
25	Pr	299	45.77611	66.78194	1978/06/14	York
26	Pr	1269	45.92778	66.66667	1978/01/19	York
27	Pr	247	45.97806	66.43972	1978/06/03	Sunbury
28	Pr	267	45.89056	66.44194	1978/06/07	Sunbury
29	Pr	281	45.84889	66.0475	1978/07/14	Queens
30	Pr	282	45.83222	66.18944	1978/06/28	Queens
31	Pr	283	45.85028	66.32278	1978/06/27	Sunbury
32	Pr	284	45.8625	66.44694	1978/06/26	Sunbury
33	Pr	294	45.75667	66.16472	1978/06/29	Queens
34	Pr	296	45.77222	66.46389	1978/06/25	Sunbury
35	Pr	M8	45.97111	66.16639	1977/01/30	Queens
36	Ir	Cape Spencer 1	45.14694	65.93667	1983/09/14	Bay of Fundy
37	Ir	Smithtown 1	45.485	65.78083	1979/01/23	Kings
38	U	United PanCanadian MacLeod	45.73083	65.35667	1975/12/20	Kings
39	At	Urney 1	45.72139	65.34556	1968/07/30	Kings
40	N	Urney 72-1	45.72417	65.32861	1973/03/04	Kings
41	K	Urney 1	45.72917	65.35833	1975/07/13	Kings
42	S	Urney 1	45.7225	65.35389	1948/06/01	Kings
43	Pr	Plumweseep 1	45.74278	65.44861	1971/01/09	Kings
44	P	PCA B-3	45.73917	65.45611	1974/05/07	Kings
45	P	PCA C-2	45.73944	65.44833	1973/04/19	Kings
46	P	PCA C-4	45.74639	65.45111	1973/03/17	Kings

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
11L/04W	11L/04	46	8	10	63	53	2
11L/04W	11L/04	46	6	1	63	47	41
11L/04W	11L/04	46	3	36	63	55	48
21B/15E	21B/15	44	56	52	66	35	23
21G/09	21G/09	45	43	49	66	4	15
21G/10W	21G/10	45	44	50	66	55	14
21G/10E	21G/10	45	39	24	66	33	25
21G/10W	21G/10	45	38	34	66	45	28
21G/10W	21G/10	45	40	56	66	54	1
21G/10W	21G/10	45	35	28	66	49	47
21G/10W	21G/10	45	34	0	66	54	6
21G/10E	21G/10	45	41	1	66	41	2
21G/11E	21G/11	45	35	22	67	2	39
21G/15E	21G/15	45	58	22	66	36	29
21G/15E	21G/15	45	54	20	66	44	0
21G/15E	21G/15	45	55	56	66	39	31
21G/15E	21G/15	45	59	9	66	40	2
21G/15E	21G/15	45	54	48	66	31	31
21G/15W	21G/15	45	53	11	66	46	38
21G/15E	21G/15	45	49	39	66	34	43
21G/15E	21G/15	45	50	11	66	40	35
21G/15W	21G/15	45	48	57	66	50	14
21G/15E	21G/15	45	45	19	66	34	24
21G/10E	21G/10	45	44	23	66	40	13
21G/15W	21G/15	45	46	34	66	46	55
21G/15E	21G/15	45	55	40	66	40	0
21G/16W	21G/16	45	58	41	66	26	23
21G/16W	21G/16	45	53	26	66	26	31
21G/16E	21G/16	45	50	56	66	2	51
21G/16E	21G/16	45	49	56	66	11	22
21G/16W	21G/16	45	51	1	66	19	22
21G/16W	21G/16	45	51	45	66	26	49
21G/16E	21G/16	45	45	24	66	9	53
21G/16W	21G/16	45	46	20	66	27	50
21G/16E	21G/16	45	58	16	66	9	59
21H/04W	21H/04	45	8	49	65	56	12
21H/05W	21H/05	45	29	6	65	46	51
21H/11W	21H/11	45	43	51	65	21	24
21H/11W	21H/11	45	43	17	65	20	44
21H/11W	21H/11	45	43	27	65	19	43
21H/11W	21H/11	45	43	45	65	21	30
21H/11W	21H/11	45	43	21	65	21	14
21H/11W	21H/11	45	44	34	65	26	55
21H/11W	21H/11	45	44	21	65	27	22
21H/11W	21H/11	45	44	22	65	26	54
21H/11W	21H/11	45	44	47	65	27	4

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
16.15	122.22	Pictou Group	
7.01	122.22	Pictou Group	
4.88	122.22	Pictou Group	
- 63.4	3662.5	Scots Bay Formation, North Mountai	
21.34	122.22	Pictou Group	67.06
150.88	122.22	Pictou Group	
122.22	122.22	Pictou Group	82.3
108.20	122.22	Pictou Group	
132.28	115.82	Pictou Group	
128.93	122.22	Pictou Group	71.63
152.40	105.16	Pictou Group	
37.50	295.66	Pictou Group	
155.45	93.29	Pictou Group	25.3
7.62	641.77	Pictou Group	130.15
118.0	846.5	Pictou Group	
112.0	1102	Pictou Group	
7.62	122.22	Pictou Group	
38.10	122.22	Pictou Group	79.25
111.25	118.87	Pictou Group	
15.24	122.22	Pictou Group	
30.48	122.22	Pictou Group	
137.16	122.22	Pictou Group	
7.62	115.82	Pictou Group	60.66
59.44	122.22	Pictou Group	
114.30	122.22	Pictou Group	59.44
108.20	305.41	Pictou Group	
54.86	82.3	Pictou Group	
3.05	39.62	-	
76.20	122.22	Pictou Group	
6.10	122.22	Pictou Group	
13.11	122.22	Pictou Group	27.43
7.62	122.22	Pictou Group	76.2
7.62	122.22	Pictou Group	
30.48	122.22	Pictou Group	
30.48	121.92	Pictou Group	
- 51.21	2587.25	Scots Bay Formation, North Mountai	
38.77	950	Mabou Group, Pre-Carboniferous B	
117.65	2227.13	Hillsborough Formation, Weldon For	
167.64	291.69	Albert Formation	
295.66	1359.41	Mabou Group, Upperton Formation,	
120.39	1104.29	Macumber Formation, Hillsborough	
152.40	1628.55	Albert Formation	
19.14	913.79	Mabou Group, Clover Hill Formation	
20.73	644.7	Mabou Group, Clover Hill (or Plumw	
21.95	305.18	Mabou Group	
19.75	608.84	Mabou Group, Clover Hill (or Plumw	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Coal		-90			
Coal		-90			
Coal		-90			
Oil and Gas	Lithologic log not di	-90	32.62		Company lithologic log
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal	See N.B. DNRE,	-90			
Coal		-90			
Oil and Gas		-90			
Uranium		-90			
Uranium		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal	See N.B. DNRE,	-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Oil and Gas	Basement chlorite	-90	32		Wolfville and Blomidon
Undergroun	Pre-Carboniferous	-90	42.47		Pre-Carboniferous Bas
Oil and Gas		-90	123.14		
Oil and Gas	Core at DNRE, Fre	-45		156	
Oil and Gas		-90	296.88		
Oil and Gas	90% of Macumber	-90	124.05		90% of Macumber cutti
Oil and Gas		-90	154.53		
Stratigraphi	Core at DNRE, Su	-90	21.03		
Potash	Core and logs are	-90	22.25		
Potash	Core and logs are	-90	23.77		
Potash	Core and logs are	-90	21.34		

Expected_Depth	Status	Updated	Status_Code	Well_History
0				
0				
0				
0	Abando	10/7/2003	GHDHA	Dry
0				
0				
0				
0				
0				
0				
0				
0				
0				
	Abando	10/7/2003	GHDHA	Dry
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0	Abando	10/7/2003	GHDHA	Dry
0				
2133.6	Abando	10/7/2003	GHDHGA	Dry, Gas Show
0	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
1524	Abando	10/7/2003	GHDHOA	Dry, Oil Show
	Abando	10/7/2003	GHDHOA	Dry, Oil Show
0		9/16/2003		

Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
47	P	PCA D-2A	45.7425	65.44417	1974/09/16	Kings
48	P	PCA D-3	45.745	65.44472	1974/08/22	Kings
49	P	PCA D-4	45.74778	65.44528	1974/10/22	Kings
50	P	PCA E-2A	45.74667	65.43778	1974/11/19	Kings
51	P	PCA E-3	45.74778	65.43833	1973/05/08	Kings
52	P	PCA E-4A	45.74972	65.44111	1975/11/14	Kings
53	Pr	292	45.7525	65.95167	1978/07/19	Queens
54	Pr	Salt Springs 1	45.56444	65.605	1973/07/01	Kings
55	Pr	Millstream 1	45.69944	65.63889	1973/07/08	Kings
56	In	IMC 1	45.55972	65.60083	1975/12/09	Kings
57	In	IMC 2	45.56889	65.59444	1976/01/31	Kings
58	In	IMC 3	45.55778	65.61028	1976/02/28	Kings
59	In	IMC 4	45.56972	65.60889	1976/01/19	Kings
60	In	IMC 5	45.55389	65.59722	1976/02/04	Kings
61	In	IMC 6	45.55139	65.60389	1976/06/09	Kings
62	In	IMC 7	45.56	65.59306	1976/09/15	Kings
63	In	IMC 8	45.55583	65.59	1977/08/04	Kings
64	In	IMC 9	45.57	65.58278	1977/01/22	Kings
65	In	IMC 10	45.56	65.57944	1977/02/08	Kings
66	In	IMC 11	45.56528	65.58083	1976/07/23	Kings
67	In	IMC 12	45.56667	65.56889	1977/07/01	Kings
68	In	IMC 13	45.57694	65.65889	1977/03/09	Kings
69	In	IMC 14	45.56583	65.59083	1977/06/04	Kings
70	In	IMC 15	45.60167	65.53889	1976/10/29	Kings
71	In	IMC 16	45.54694	65.60222	1977/07/21	Kings
72	In	IMC 17	45.57056	65.575	1977/02/13	Kings
73	In	IMC 18	45.57694	65.57222	1976/10/27	Kings
74	In	IMC 20	45.57722	65.58722	1977/11/17	Kings
75	In	IMC 21	45.57417	65.55972	1977/09/06	Kings
76	In	IMC 22	45.54611	65.61222	1977/10/29	Kings
77	In	IMC 31	45.55556	65.60722	1977/03/19	Kings
78	Br	Millstream 1A	45.70028	65.63694	1981/01/26	Kings
79	Br	Millstream 2	45.70361	65.63056	1981/08/25	Kings
80	Br	Millstream 3	45.70611	65.64167	1981/05/12	Kings
81	Br	Millstream 4	45.70694	65.63111	1981/07/01	Kings
82	Br	Millstream 5	45.70778	65.6225	1981/10/14	Kings
83	Br	Millstream 6	45.7	65.64639	1981/12/14	Kings
84	Br	Millstream 7	45.69722	65.63889	1982/05/14	Kings
85	Br	Millstream 8	45.705	65.63611	1982/07/02	Kings
86	Br	Millstream 9	45.69972	65.6275	1982/08/31	Kings
87	Br	Millstream 10	45.70361	65.6225	1982/11/24	Kings
88	Br	Millstream 11	45.69528	65.645	1983/02/27	Kings
89	G	Lower Millstream 1	45.7475	65.60611	1980/11/23	Kings
90	G	Lower Millstream 2	45.74667	65.61361	1980/11/26	Kings
91	G	Lower Millstream 3	45.71611	65.65528	1980/12/01	Kings
92	G	Lower Millstream 4	45.71944	65.65667	1980/12/03	Kings

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/11W	21H/11	45	44	33	65	26	39
21H/11W	21H/11	45	44	42	65	26	41
21H/11W	21H/11	45	44	52	65	26	43
21H/11W	21H/11	45	44	48	65	26	16
21H/11W	21H/11	45	44	52	65	26	18
21H/11W	21H/11	45	44	59	65	26	28
21H/12W	21H/12	45	45	9	65	57	6
21H/12E	21H/12	45	33	52	65	36	18
21H/12E	21H/12	45	41	58	65	38	20
21H/12E	21H/12	45	33	35	65	36	3
21H/12E	21H/12	45	34	8	65	35	40
21H/12E	21H/12	45	33	28	65	36	37
21H/12E	21H/12	45	34	11	65	36	32
21H/12E	21H/12	45	33	14	65	35	50
21H/12E	21H/12	45	33	5	65	36	14
21H/12E	21H/12	45	33	36	65	35	35
21H/12E	21H/12	45	33	21	65	35	24
21H/12E	21H/12	45	34	12	65	34	58
21H/12E	21H/12	45	33	36	65	34	46
21H/12E	21H/12	45	33	55	65	34	51
21H/12E	21H/12	45	34	0	65	34	8
21H/12E	21H/12	45	34	37	65	39	32
21H/12E	21H/12	45	33	57	65	35	27
21H/12E	21H/12	45	36	6	65	32	20
21H/12E	21H/12	45	32	49	65	36	8
21H/12E	21H/12	45	34	14	65	34	30
21H/12E	21H/12	45	34	37	65	34	20
21H/12E	21H/12	45	34	38	65	35	14
21H/12E	21H/12	45	34	27	65	33	35
21H/12E	21H/12	45	32	46	65	36	44
21H/12E	21H/12	45	33	20	65	36	26
21H/12E	21H/12	45	42	1	65	38	13
21H/12E	21H/12	45	42	13	65	37	50
21H/12E	21H/12	45	42	22	65	38	30
21H/12E	21H/12	45	42	25	65	37	52
21H/12E	21H/12	45	42	28	65	37	21
21H/12E	21H/12	45	42	0	65	38	47
21H/12E	21H/12	45	41	50	65	38	20
21H/12E	21H/12	45	42	18	65	38	10
21H/12E	21H/12	45	41	59	65	37	39
21H/12E	21H/12	45	42	13	65	37	21
21H/12E	21H/12	45	41	43	65	38	42
21H/12E	21H/12	45	44	51	65	36	22
21H/12E	21H/12	45	44	48	65	36	49
21H/12E	21H/12	45	42	58	65	39	19
21H/12E	21H/12	45	43	10	65	39	24

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
17.50	731.71	Mabou Group, Clover Hill (or Plumw	
19.14	800	Mabou Group, Clover Hill (or Plumw	
20.27	810.98	Mabou Group, Clover Hill (or Plumw	
21.61	673.78	Mabou Group, Clover Hill (or Plumw	
22.86	889.33	Mabou Group, Clover Hill (or Plumw	
28.29	920.73	Mabou Group, Clover Hill (or Plumw	
38.10	121.92	Boss Point Formation, Mabou Grou	
152.07	914.4	Mabou Group, Clover Hill (or Plumw	
77.75	937.56	Mabou Group, Clover Hill (or Plumw	
188.61	1350.3	Mabou Group, Clover Hill (or Plumw	
178.31	929.88	Mabou Group, Clover Hill (or Plumw	
160.63	1407.01	Mabou Group, Clover Hill (or Plumw	
143.93	1275.3	Mabou Group, Clover Hill (or Plumw	
149.35	1158.23	Mabou Group, Clover Hill (or Plumw	
158.19	1161.59	Mabou Group, Clover Hill (or Plumw	
174.83	1093.6	Mabou Group, Clover Hill (or Plumw	
144.29	978.05	Mabou Group, Clover Hill (or Plumw	
181.97	1005.79	Mabou Group, Clover Hill (or Plumw	
145.69	904.88	Mabou Group, Clover Hill (or Plumw	
177.96	1039.02	Mabou Group, Clover Hill (or Plumw	
141.12	864.63	Mabou Group, Clover Hill (or Plumw	
171.48	1039.02	Mabou Group, Clover Hill (or Plumw	
200.53	1078.05	Mabou Group, Clover Hill (or Plumw	
142.38	654.59	Mabou Group, Clover Hill (or Plumw	
138.20	969.51	Mabou Group, Clover Hill (or Plumw	
167.91	862.8	Mabou Group, Clover Hill (or Plumw	
150.97	1120.73	Mabou Group, Clover Hill (or Plumw	
130.52	811.89	Mabou Group, Clover Hill (or Plumw	
137.43	803.55	Mabou Group, Clover Hill Formation	
169.74	1272.87	Boss Point Formation, Mabou Grou	
175.84	1347.56	Mabou Group, Clover Hill (or Plumw	
79.31	1280	Mabou Group, Windsor Group	
64.89	1207	Mabou Group, Windsor Group	
139.4	1002.5	Mabou Group, Upperton Formation,	
76.40	1372.4	Mabou Group, Windsor Group	
47.62	1068.8	Mabou Group, Windsor Group	
71.85	1140.8	Canso Group, Windsor Group	
79.84	1155.9	Mabou Group, Windsor Group	
95.96	1220.1	Canso Group, Windsor Group	
47.08	941	Canso Group, Windsor Group	
34.419	833	Canso Group, Windsor Group	
66.32	1182.6	Canso Group, Windsor Group	
75	201	Albert Formation	
45	204	Weldon Formation, Albert Formation	
250	210	Weldon Formation	
210	300	Weldon Formation	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Potash	Core and logs are	-90	19.2		
Potash	Core and logs are	-90	21.03		
Potash	Core and logs are	-90	21.95		
Potash	Core and logs are	-90	23.47		
Potash	Core and logs are	-90	24.38		
Potash	Core and logs are	-90	30.36		
Coal	Basement of quart	-90			Basement rock is quart
Potash	Cuttings and core	-90			
Potash	Core at DNRE, Su	-90			
Potash	Core and cuttings	-90	192.51		
Potash	Core and cuttings	-90	182.12		
Potash	Core and cuttings	-90	164.31		
Potash	Core at DNRE, Su	-90	145.88		
Potash	Core and cuttings	-90	153.01		
Potash	Core at DNRE, Su	-90	162.06		
Potash	Core cuttings at D	-90	176.57		
Potash	Core at DNRE, Su	-90	146.42		
Potash	Core and cuttings	-90	183.85		
Potash	Core at DNRE, Su	-90	147.32		
Potash	Core and cuttings	-90	179.85		
Potash	Core at DNRE, Su	-90	143.26		
Potash	Core at DNRE, Su	-90	173.5		
Potash	Core at DNRE, Su	-90	202.42		
Potash	Core and cuttings	-90	141.55		
Potash	Core at DNRE, Su	-90	140.35		
Potash	Core and cuttings	-90	169.8		
Potash	Core and cuttings	-90	150.97		
Potash	Core and cuttings	-90	132.45		
Potash	Core at DNRE, Su	-90	139.57		
Potash	Core at DNRE, Su	-90	171.88		
Potash	Core at DNRE, Su	-90	177.97		
Potash	Cuttings and core	-90	81.41		
Potash	Cuttings and core	-90	66.9		
Potash	Cuttings and core	-90	141.5		
Potash	Cuttings and core	-90	78.4		
Potash	Cuttings and core	-90	49.62		
Potash	Cuttings and core	-90	73.85		
Potash	Cuttings and core	-90	81.84		
Potash	Cuttings and core	-90	97.96		
Potash	Cuttings and core	-90	49.08		
Potash	Cuttings at DNRE,	-90	36.419		
Potash	Cuttings and core	-90	68.32		
Uranium	Core at DNRE, Su	-45		083	
Uranium	Core at DNRE, Su	-50		083	
Uranium	Core at DNRE, Su	-60		320	
Uranium	Core at DNRE, Su	-60		320	

Expected_Depth	Status	Updated	Status_Code	Well_History
0				
0				
1463.04				
944.88				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				

Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
93	G	Lower Millstream 5	45.73833	65.62778	1980/12/07	Kings
94	G	Lower Millstream 6	45.74222	65.62389	1980/12/10	Kings
95	G	Lower Millstream 7	45.74167	65.62639	1980/12/12	Kings
96	G	Lower Millstream 8	45.73472	65.62583	1980/12/13	Kings
97	G	Lower Millstream 9	45.73472	65.62583	1980/12/14	Kings
98	G	Lower Millstream 10	45.73472	65.62583	1980/12/16	Kings
99	S	Apohaqui 1	45.67889	65.60389	1948/XX/XX	Kings
100	M	Wards Creek 40	45.71278	65.505	1913/08/23	Kings
101	Pr	240	45.98139	65.67472	1977/08/21	Queens
102	Pr	260	45.90111	65.73722	1978/07/16	Queens
103	Pr	261	45.9075	65.82861	1978/07/16	Queens
104	Pr	262	45.90889	65.91222	1978/07/15	Queens
105	Pr	278	45.83333	65.76389	1978/07/20	Queens
106	Pr	279	45.8425	65.82694	1978/07/17	Queens
107	Pr	280	45.81278	65.9225	1978/07/18	Queens
108	Pr	237	45.96944	65.14194	1978/07/27	Westmorland
109	Pr	238	45.99333	65.43778	1977/08/23	Kings
110	Pr	257	45.90111	65.91667	1978/07/26	Westmorland
111	Pr	258	45.92361	65.18778	1978/07/26	Westmorland
112	Pr	275	45.84389	65.05639	1978/07/25	Albert
113	Pr	276	45.79278	65.17028	1978/07/24	Albert
114	Pr	277	45.83167	65.29028	1978/07/23	Kings
115	Pr	291	45.76333	65.31333	1978/07/21	Kings
116	Pr	Penobsquis 1	45.775	65.36472	1971/03/11	Kings
117	Pr	Cornhill 3	45.91694	65.29972	1973/09/01	Kings
118	P	PCA E-4	45.75083	65.43972	1973/06/03	Kings
119	P	PAC E-8	45.76333	65.44778	1973/08/08	Kings
120	P	PCA F-3A	45.75083	65.43444	1974/03/15	Kings
121	P	PCA G-3A	45.75222	65.43083	1975/01/13	Kings
122	P	PCA G-4A	45.75417	65.43111	1974/07/02	Kings
123	P	PCA H-3	45.75139	65.42806	1973/07/15	Kings
124	P	PCA H-4A	45.755	65.42778	1975/04/24	Kings
125	P	PCA H-5	45.75722	65.42778	1975/07/10	Kings
126	P	PCA I-4	45.75556	65.42444	1975/06/06	Kings
127	P	PCA J-3	45.75694	65.41806	1973/09/22	Kings
128	P	PCA J-4A	45.76056	65.41861	1975/09/21	Kings
129	P	PCA J-5A	45.76139	65.41889	1973/10/15	Kings
130	P	PCA K-2	45.75306	65.415	1976/07/XX	Kings
131	P	PCA K-4	45.76056	65.41639	1975/08/23	Kings
132	P	PCA M-4A	45.76444	65.40667	1976/01/18	Kings
133	P	PCA N-2	45.76056	65.39917	1976/06/XX	Kings
134	P	PCA N-3	45.76611	65.39889	1976/05/17	Kings
135	P	PCA P-1	45.76083	65.395	1976/04/14	Kings
136	P	PCA P-4	45.76944	65.3975	1976/03/05	Kings
137	P	PCA S-4	45.77472	65.38389	1976/04/13	Kings
138	P	PCA T-3	45.77389	65.37861	1976/05/24	Kings

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/12E	21H/12	45	44	18	65	37	40
21H/12E	21H/12	45	44	32	65	37	26
21H/12E	21H/12	45	44	30	65	37	35
21H/12E	21H/12	45	44	5	65	37	33
21H/12E	21H/12	45	44	5	65	37	33
21H/12E	21H/12	45	44	5	65	37	33
21H/12E	21H/12	45	40	44	65	36	14
21H/12E	21H/12	45	42	46	65	30	18
21H/13E	21H/13	45	58	53	65	40	29
21H/13E	21H/13	45	54	4	65	44	14
21H/13W	21H/13	45	54	27	65	49	43
21H/13W	21H/13	45	54	32	65	54	44
21H/13W	21H/13	45	50	0	65	45	50
21H/13W	21H/13	45	50	33	65	49	37
21H/13W	21H/13	45	48	46	65	55	21
21H/14E	21H/14	45	58	10	65	8	31
21H/14W	21H/14	45	59	36	65	26	16
21H/13W	21H/13	45	54	4	65	55	0
21H/14E	21H/14	45	55	25	65	11	16
21H/14E	21H/14	45	50	38	65	3	23
21H/14E	21H/14	45	47	34	65	10	13
21H/14W	21H/14	45	49	54	65	17	25
21H/14W	21H/14	45	45	48	65	18	48
21H/14W	21H/14	45	46	30	65	21	53
21H/14W	21H/14	45	55	1	65	17	59
21H/14W	21H/14	45	45	3	65	26	23
21H/14W	21H/14	45	45	48	65	26	52
21H/14W	21H/14	45	45	3	65	26	4
21H/14W	21H/14	45	45	8	65	25	51
21H/14W	21H/14	45	45	15	65	25	52
21H/14W	21H/14	45	45	5	65	25	41
21H/14W	21H/14	45	45	18	65	25	40
21H/14W	21H/14	45	45	26	65	25	40
21H/14W	21H/14	45	45	20	65	25	28
21H/14W	21H/14	45	45	25	65	25	5
21H/14W	21H/14	45	45	38	65	25	7
21H/14W	21H/14	45	45	41	65	25	8
21H/14W	21H/14	45	45	11	65	24	54
21H/14W	21H/14	45	45	38	65	24	59
21H/14W	21H/14	45	45	52	65	24	24
21H/14W	21H/14	45	45	38	65	23	57
21H/14W	21H/14	45	45	58	65	23	56
21H/14W	21H/14	45	45	39	65	23	42
21H/14W	21H/14	45	46	10	65	23	51
21H/14W	21H/14	45	46	29	65	23	2
21H/14W	21H/14	45	46	26	65	22	43

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
50	162.56	Weldon Formation	
105	85.34	Weldon Formation	
105	51.84	Weldon Formation	
130	167.64	Weldon Formation	
130	140.21	Weldon Formation	
130	158.59	Weldon Formation	
154.84	753.47	Albert Formation, Memramcook For	
28.73	377.95	Albert Formation	
16.76	122.22	Pictou Group, Pre-Carboniferous Ba	
39.62	118.87	Pictou Group, Boss Point Formation	46.94
24.38	122.22	Pictou Group, Pre-Carboniferous Ba	
39.62	122.22	Pictou Group	82.3
164.90	115.82	Boss Point Formation, Mabou Grou	
91.44	113.08	Pictou Group, Pre-Carboniferous Ba	
68.58	118.87	Pictou Group	3.05
27.13	122.22	Pictou Group	
99.97	73.15	Pictou Group, Boss Point Formation	
74.98	122.22	Pictou Group	
29.87	122.22	Pictou Group	
173.13	122.22	Pictou Group, Boss Point Formation	91.44
130.15	73.15	Pictou Group	
60.05	122.22	Boss Point Formation	
80.16	121.92	Boss Point Formation	
32.20	1157.01	Mabou Group, Clover Hill Formation	
99.26	943.97	Weldon Formation, Albert Formation	
29.20	718.6	Mabou Group, Clover Hill (or Plumw	
34.67	904.57	Mabou Group	
25.00	831.71	Mabou Group, Clover Hill (or Plumw	
35.91	845.73	Mabou Group, Clover Hill (or Plumw	
23.05	899.39	Mabou Group, Cassidy Lake Format	
37.01	791.77	Mabou Group, Clover Hill (or Plumw	
21.10	853.66	Mabou Group, Clover Hill (or Plumw	
19.82	884.15	Mabou Group, Cassidy Lake Format	
24.05	701.22	Mabou Group, Clover Hill (or Plumw	
26.65	901.52	Mabou Group, Clover Hill (or Plumw	
21.80	786.59	Mabou Group, Cassidy Lake Format	
20.40	698.78	Mabou Group, Clover Hill (or Plumw	
30.49	777.44	Mabou Group, Clover Hill (or Plumw	
21.28	762.2	Mabou Group, Clover Hill (or Plumw	
21.62	878.05	Mabou Group, Clover Hill (or Plumw	
43.54	695.12	Mabou Group, Clover Hill (or Plumw	
40.46	631.1	Mabou Group, Clover Hill (or Plumw	
36.77	798.78	Mabou Group, Clover Hill (or Plumw	
40.30	859.76	Mabou Group, Clover Hill (or Plumw	
43.41	780.49	Mabou Group, Clover Hill (or Plumw	
43.08	609.76	Mabou Group, Clover Hill (or Plumw	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Uranium	Core at DNRE, Su	-55		310	
Uranium	Core at DNRE, Su	-55		080	
Uranium	Core at DNRE, Su	-90			
Uranium	Core at DNRE, Su	-70		310	
Uranium	Core at DNRE, Su	-45		310	
Uranium	Core at DNRE, Su	-75		130	
Oil and Gas		-90	156.97		
Oil and Gas		-90			
Coal	Basement phyllite	-90			Basement rocks are ph
Coal	Basement phyllite	-90			Basement rocks are ph
Coal	Basement granite c	-90			Basement rocks are qu
Coal		-90			
Coal	Basement of meta	-90			Basement rocks are sl
Coal	Basement phyllite	-90			Basement rock is phylli
Coal		-90			
Coal		-90			
Coal	Basement of grey	-90			Basement rock is slate
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Stratigraphi	Core at DNRE, Su	-90			
Salt	Core at DNRE, Su	-90	21.03		
Potash	Core and logs are	-90	30.78		
Potash	Core and logs are	-90	36.27		
Potash	Core and logs are	-90	26.67		
Potash	Core and logs are	-90	36.88		
Potash	Core and logs are	-90	24.69		
Potash	Core and logs are	-90	38.4		
Potash	Core and logs are	-90	22.86		
Potash	Core and logs are	-90	21.34		
Potash	Core and logs are	-90	25.6		
Potash	Core and logs are	-90	28.04		
Potash	Core and logs are	-90	23.16		
Potash	Core and logs are	-90	21.64		
Potash	Core and logs are	-90	32.16		
Potash	Core and logs are	-90	22.92		
Potash	Core and logs are	-90	23.29		
Potash	Core and logs are	-90	45.87		
Potash	Core and logs are	-90			
Potash	Core and logs are	-90	38.4		
Potash	Core and logs are	-90	42.06		
Potash	Core and logs are	-90	45.11		
Potash	Core and logs are	-90	44.81		

Expected_Depth	Status	Updated	Status_Code	Well_History
0				
0				
0				
0				
0				
0				
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Mechanical Failure
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
		9/16/2003		
0				

Unique_I	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
139	P	PCA 31	45.75528	65.41861	1977/XX/XX	Kings
140	P	PCA X-3	45.78583	65.33778	1978/XX/XX	Kings
141	P	PCA V-4	45.78	65.37	1978/XX/XX	Kings
142	P	PCA Z-4	45.78972	65.34389	1978/09/25	Kings
143	P	DD-4A	45.8025	65.27944	1979/02/XX	Kings
144	P	PCA X-6	45.78889	65.35611	1978/10/XX	Kings
145	I	Pollett River 1	45.91222	65.08861	1959/07/02	Westmorland
146	Ir	Middlesex 1	45.97778	65.0025	1982/08/24	Albert
147	Ir	Lee Brook 1	45.79972	65.13028	1986/03/05	Albert
148	M	Stoney Creek 3	45.97028	64.69333	1909/07/10	Albert
149	M	Gautreau 4	45.97833	64.66528	1909/08/13	Westmorland
150	N	Stoney Creek 5	45.97194	64.69444	1909/09/03	Albert
151	M	Stoney Creek 6	45.97389	64.69556	1909/11/23	Albert
152	N	Stoney Creek 7	45.96917	64.69722	1910/03/16	Albert
153	M	Stoney Creek 8	45.97139	64.69889	1910/04/04	Albert
154	N	Stoney Creek 9	45.96861	64.69306	1910/04/26	Albert
155	N	Stoney Creek 10	45.96972	64.70167	1910/06/01	Albert
156	M	Stoney Creek 11	45.97444	64.70278	1910/06/25	Albert
157	N	Stoney Creek 12	45.96778	64.70056	1910/07/13	Albert
158	N	Stoney Creek 13	45.97056	64.70528	1910/08/10	Albert
159	N	Stoney Creek 14	45.96944	64.70944	1910/09/28	Albert
160	N	Stoney Creek 15	45.97139	64.70889	1910/01/01	Albert
161	M	Stoney Creek 16	45.97	64.71417	1910/10/19	Albert
162	M	Stoney Creek 17	45.97528	64.71389	1910/10/28	Albert
163	N	Stoney Creek 18	45.96556	64.71667	1910/11/14	Albert
164	N	Stoney Creek 19	45.96778	64.72167	1911/01/11	Albert
165	N	Stoney Creek 20	45.96667	64.70528	1911/01/09	Albert
166	M	Stoney Creek 21	45.96556	64.71083	1911/05/17	Albert
167	N	Stoney Creek 22	45.96611	64.73167	1911/06/13	Albert
168	M	Stoney Creek 23	45.97861	64.715	1911/07/05	Albert
169	M	Stoney Creek 24	45.96417	64.73972	1912/05/03	Albert
170	M	Stoney Creek 25	45.96222	64.72944	1912/05/22	Albert
171	M	Stoney Creek 26	45.96333	64.75056	1912/07/05	Albert
172	M	West Stoney Creek 27	45.95194	64.80889	1912/07/02	Albert
173	M	Stoney Creek 28	45.96194	64.71639	1912/07/28	Albert
174	M	Taylor Village 29	45.93583	64.55694	1912/08/10	Westmorland
175	M	Stoney Creek 31	45.96917	64.73778	1912/10/26	Albert
176	N	Stoney Creek 32	45.96861	64.72639	1913/01/08	Albert
177	M	Stoney Creek 33	45.96778	64.74306	1913/03/07	Albert
178	M	Stoney Creek 34	45.96889	64.73194	1913/03/15	Albert
179	N	Stoney Creek 35	45.97083	64.71944	1913/07/09	Albert
180	N	Stoney Creek 36	45.96528	64.72556	1913/06/11	Albert
181	M	Stoney Creek 37	45.96833	64.75333	1913/06/19	Albert
182	M	Stoney Creek 38B	45.97389	64.705	1913/11/27	Albert
183	M	Stoney Creek 39	45.96333	64.70667	1913/08/27	Albert
184	N	Stoney Creek 41	45.97278	64.725	1913/09/16	Albert

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/14W	21H/14	45	45	19	65	25	7
21H/14W	21H/14	45	47	9	65	20	16
21H/14W	21H/14	45	46	48	65	22	12
21H/14W	21H/14	45	47	23	65	20	38
21H/14W	21H/14	45	48	9	65	16	46
21H/14W	21H/14	45	47	20	65	21	22
21H/14E	21H/14	45	54	44	65	5	19
21H/14E	21H/14	45	58	40	65	0	9
21H/14E	21H/14	45	47	59	65	7	49
21H/15E	21H/15	45	58	13	64	41	36
21H/15E	21H/15	45	58	42	64	39	55
21H/15E	21H/15	45	58	19	64	41	40
21H/15E	21H/15	45	58	26	64	41	44
21H/15E	21H/15	45	58	9	64	41	50
21H/15E	21H/15	45	58	17	64	41	56
21H/15E	21H/15	45	58	7	64	41	35
21H/15E	21H/15	45	58	11	64	42	6
21H/15E	21H/15	45	58	28	64	42	10
21H/15E	21H/15	45	58	4	64	42	2
21H/15E	21H/15	45	58	14	64	42	19
21H/15E	21H/15	45	58	10	64	42	34
21H/15E	21H/15	45	58	17	64	42	32
21H/15E	21H/15	45	58	12	64	42	51
21H/15E	21H/15	45	58	31	64	42	50
21H/15E	21H/15	45	57	56	64	43	0
21H/15E	21H/15	45	58	4	64	43	18
21H/15E	21H/15	45	58	0	64	42	19
21H/15E	21H/15	45	57	56	64	42	39
21H/15E	21H/15	45	57	58	64	43	54
21H/15E	21H/15	45	58	43	64	42	54
21H/15E	21H/15	45	57	51	64	44	23
21H/15E	21H/15	45	57	44	64	43	46
21H/15E	21H/15	45	57	48	64	45	2
21H/15E	21H/15	45	57	7	64	48	32
21H/15E	21H/15	45	57	43	64	42	59
21H/15E	21H/15	45	56	9	64	33	25
21H/15E	21H/15	45	58	9	64	44	16
21H/15E	21H/15	45	58	7	64	43	35
21H/15E	21H/15	45	58	4	64	44	35
21H/15E	21H/15	45	58	8	64	43	55
21H/15E	21H/15	45	58	15	64	43	10
21H/15E	21H/15	45	57	55	64	43	32
21H/15E	21H/15	45	58	6	64	45	12
21H/15E	21H/15	45	58	26	64	42	18
21H/15E	21H/15	45	57	48	64	42	24
21H/15E	21H/15	45	58	22	64	43	30

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
24.09	532.62	Mabou Group, Clover Hill (or Plumw	
33.69	865.24	Mabou Group, Clover Hill (or Plumw	
31.38	731.1	Mabou Group, Clover Hill (or Plumw	
42.32	1029.88	Mabou Group, Clover Hill (or Plumw	
42.85	840.85	Mabou Group, Clover Hill (or Plumw	
43.39	1110.67	Mabou Group, Clover Hill (or Plumw	
50.29	2059.23	Salisbury Formation, Boss Point For	
63.76	1835	Salisbury Formation, Boss Point For	
158.13	2100	Hillsborough Formation, Weldon For	
83.82	526.83	Hopewell Cape Formation, Albert Fo	
28.41	510.67	Hopewell Cape Formation, Albert Fo	
80.77	905.79	Hopewell Cape Formation, Hiram Br	
79.25	402.44	Hopewell Cape Formation, Albert Fo	
140.21	773.17	Boss Point Formation, Hopewell Ca	
139.29	769.82	Boss Point Formation, Hopewell Ca	
94.49	964.02	Hopewell Cape Formation, Albert Fo	
140.21	1012.5	Boss Point Formation, Hopewell Ca	
122.53	381.1	Boss Point Formation, Hopewell Ca	
141.73	1255.18	Boss Point Formation, Hopewell Ca	
136.55	955.18	Boss Point Formation, Hopewell Ca	
130.45	796.65	Boss Point Formation, Hopewell Ca	
120.40	673.78	Boss Point Formation, Hopewell Ca	
122.83	682.93	Boss Point Formation, Hopewell Ca	
109.73	591.46	Boss Point Formation, Hopewell Ca	
103.63	916.16	Boss Point Formation, Hopewell Ca	
81.08	756.4	Boss Point Formation, Hopewell Ca	
137.16	827.44	Boss Point Formation, Hopewell Ca	
121.31	602.74	Boss Point Formation, Hopewell Ca	
94.49	840.85	Boss Point Formation, Hopewell Ca	
94.49	367.68	Boss Point Formation, Hopewell Ca	
106.68	979.27	Boss Point Formation, Hopewell Ca	
91.44	577.74	Boss Point Formation, Hopewell Ca	
120.09	677.74	Boss Point Formation, Hopewell Ca	
134.11	806.4	Boss Point Formation, Albert Forma	
83.82	442.07	Hopewell Cape Formation, Weldon	
33.00	219.51	Albert Formation	
90.83	625	Boss Point Formation, Hopewell Ca	
63.40	806.1	Hopewell Cape Formation, Weldon	
95.40	646.34	Boss Point Formation, Hopewell Ca	
89.61	532.01	Boss Point Formation, Hopewell Ca	
95.10	655.49	Boss Point Formation, Hopewell Ca	
81.38	618.29	Hopewell Cape Formation, Weldon	
123.44	963.11	Pictou Group, Boss Point Formation	
124.66	490.55	Boss Point Formation, Hopewell Ca	
110.03	695.12	Boss Point Formation, Hopewell Ca	
71.63	624.39	Boss Point Formation, Hopewell Ca	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Potash	Core and logs are	-90	27.13		
Potash	Core and logs are	-90			
Potash	Core and logs are	-90	33.2		
Potash	Core and logs are	-90	44.14		
Potash	Core and logs are	-90	44.66		
Potash	Core and logs are	-90	45.19		
Oil and Gas		-90	55.47		
Oil and Gas	Basement of Gree	-90	70.71		Basement is Green He
Oil and Gas		-90	164.35		
Oil and Gas	Log nearly illegible.	-90			No cuttings.
Oil and Gas		-90			No cuttings.
Oil and Gas	Deepened in 1919.	-90			No Boss Point or Enra
Oil and Gas	Log nearly illegible.	-90			No Boss Point or Enra
Oil and Gas		-90			No Boss Point chips.
Oil and Gas	Deepened in 1916.	-90			
Oil and Gas	Deepened in 1923.	-90			
Oil and Gas	Deepened in 1919,	-90			
Oil and Gas	Log nearly illegible.	-90			No cuttings.
Oil and Gas	Deepened in 1919,	-90			
Oil and Gas	Deepened in 1917,	-90			No Boss Point or Enra
Oil and Gas	Deepened in 1917,	-90			
Oil and Gas	Deepened in 1915,	-90			Weldon - red mudston
Oil and Gas	Deepened in 1914,	-90			Very few chips.
Oil and Gas		-90			Weldon/Albert - red, gr
Oil and Gas	Deepened in 1919.	-90			
Oil and Gas	Deepened in 1912,	-90			Very little Boss Point.
Oil and Gas	Deepened in 1914,	-90			Very few cuttings of Bo
Oil and Gas		-90			No cuttings.
Oil and Gas	Deepened in 1914,	-90			Very few cuttings from
Oil and Gas		-90			Boss Point, Enrage be
Oil and Gas	Deepened in 1917,	-90			No cuttings to 652.74m
Oil and Gas	Log partly illegible.	-90			
Oil and Gas	Log partly illegible.	-90			No cuttings.
Oil and Gas		-90			
Oil and Gas		-90			
Oil and Gas		-90			
Oil and Gas	Deepened in 1923;	-90			Very few cuttings. Wel
Oil and Gas	Deepened in 1914,	-90			Weldon red mudstone.
Oil and Gas		-90			
Oil and Gas	Log partly illegible.	-90			Very few cuttings.
Oil and Gas	Deepened in 1914,	-90			Weldon/Albert red, gre
Oil and Gas	Deepened in 1914,	-90			Weldon/Albert mostly g
Oil and Gas	Deepened in 1916;	-90			
Oil and Gas		-90			
Oil and Gas		-90			
Oil and Gas	Deepened in 1914,	-90			Weldon/Albert red marl

Expected_Depth	Status	Updated	Status_Code	Well_History
	Abando	10/7/2003	GHDHOA	Dry, Oil Show
0	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHOA	Oil Show
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Abando	10/7/2003	GHDHA	Mechanical failure
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Abando	10/7/2003	GHOGWA	Oil and Gas Produc
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc

Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
185	M	Stoney Creek 42	45.97556	64.71917	1913/12/13	Albert
186	M	Stoney Creek 43	45.97417	64.73444	1914/04/20	Albert
187	M	Stoney Creek 44	45.975	64.70722	1916/09/28	Albert
188	N	Stoney Creek 45	45.96278	64.73306	1917/06/09	Albert
189	N	Stoney Creek 46	45.97417	64.69472	1917/08/03	Albert
190	N	Stoney Creek 47	45.98417	64.74028	1917/09/21	Albert
191	N	Stoney Creek 48A	45.96	64.7375	1917/11/28	Albert
192	N	Stoney Creek 49	45.95917	64.73139	1918/05/20	Albert
193	N	Stoney Creek 50	45.96111	64.72472	1918/08/10	Albert
194	N	Stoney Creek 53	45.97028	64.7325	1919/10/17	Albert
195	N	Stoney Creek 54	45.96528	64.71417	1920/01/01	Albert
196	N	Stoney Creek 55A	45.97167	64.73833	1921/04/14	Albert
197	N	Stoney Creek 56	45.96556	64.71111	1919/05/04	Albert
198	N	Dover 57	45.98361	64.65	1921/09/08	Westmorland
199	N	Stoney Creek 58	45.96472	64.71528	1921/10/26	Albert
200	N	Turtle Creek 59	45.85472	64.85	1923/10/11	Albert
201	N	Stoney Creek 60	45.95972	64.72417	1924/04/30	Albert
202	N	Stoney Creek 61	45.96472	64.71778	1924/05/01	Albert
203	N	Stoney Creek 62	45.96306	64.715	1924/05/15	Albert
204	N	Stoney Creek 63	45.96556	64.70389	1924/01/03	Albert
205	N	Stoney Creek 64	45.95833	64.72333	1924/08/16	Albert
206	N	Stoney Creek 65	45.96389	64.71667	1924/08/23	Albert
207	N	Stoney Creek 66	45.96583	64.70694	1924/09/29	Albert
208	N	Stoney Creek 67	45.96639	64.70278	1925/04/03	Albert
209	N	Stoney Creek 68	45.96528	64.70889	1925/04/06	Albert
210	N	Stoney Creek 69	45.965	64.70222	1925/05/30	Albert
211	N	Stoney Creek 70	45.96639	64.70167	1925/06/10	Albert
212	N	Stoney Creek 71	45.96333	64.70167	1925/08/04	Albert
213	N	Stoney Creek 72	45.96611	64.69694	1925/08/17	Albert
214	N	Stoney Creek 73	45.96333	64.70556	1925/10/26	Albert
215	N	Stoney Creek 74	45.96389	64.69889	1926/04/15	Albert
216	N	Stoney Creek 75	45.96194	64.71028	1926/06/07	Albert
217	N	Stoney Creek 76	45.96611	64.71472	1926/06/02	Albert
218	N	Stoney Creek 77	45.9625	64.72861	1926/08/17	Albert
219	N	Stoney Creek 78	45.96194	64.73361	1926/08/27	Albert
220	N	Stoney Creek 79	45.96222	64.74278	1926/09/14	Albert
221	N	Stoney Creek 80	45.96778	64.71833	1927/06/02	Albert
222	N	Stoney Creek 81	45.96694	64.71167	1927/05/29	Albert
223	N	Stoney Creek 82	45.96278	64.72167	1928/06/26	Albert
224	N	Stoney Creek 83	45.95861	64.73528	1928/06/01	Albert
225	N	Stoney Creek 84	45.98139	64.69611	1928/05/16	Albert
226	N	Gautreau 85	45.96694	64.65528	1928/10/01	Westmorland
227	N	Stoney Creek 86	45.96806	64.73694	1929/04/19	Albert
228	N	Stoney Creek 87	45.95667	64.73361	1929/07/18	Albert
229	N	Gautreau 88	45.96417	64.64222	1929/06/20	Westmorland
230	N	Stoney Creek 89	45.96472	64.69278	1930/07/10	Albert

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/15E	21H/15	45	58	32	64	43	9
21H/15E	21H/15	45	58	27	64	44	4
21H/15E	21H/15	45	58	30	64	42	26
21H/15E	21H/15	45	57	46	64	43	59
21H/15E	21H/15	45	58	27	64	41	41
21H/15E	21H/15	45	59	3	64	44	25
21H/15E	21H/15	45	57	36	64	44	15
21H/15E	21H/15	45	57	33	64	43	53
21H/15E	21H/15	45	57	40	64	43	29
21H/15E	21H/15	45	58	13	64	43	57
21H/15E	21H/15	45	57	55	64	42	51
21H/15E	21H/15	45	58	18	64	44	18
21H/15E	21H/15	45	57	56	64	42	40
21H/15E	21H/15	45	59	1	64	39	0
21H/15E	21H/15	45	57	53	64	42	55
21H/15W	21H/15	45	51	17	64	51	0
21H/15E	21H/15	45	57	35	64	43	27
21H/15E	21H/15	45	57	53	64	43	4
21H/15E	21H/15	45	57	47	64	42	54
21H/15E	21H/15	45	57	56	64	42	14
21H/15E	21H/15	45	57	30	64	43	24
21H/15E	21H/15	45	57	50	64	43	0
21H/15E	21H/15	45	57	57	64	42	25
21H/15E	21H/15	45	57	59	64	42	10
21H/15E	21H/15	45	57	55	64	42	32
21H/15E	21H/15	45	57	54	64	42	8
21H/15E	21H/15	45	57	59	64	42	6
21H/15E	21H/15	45	57	48	64	42	6
21H/15E	21H/15	45	57	58	64	41	49
21H/15E	21H/15	45	57	48	64	42	20
21H/15E	21H/15	45	57	50	64	41	56
21H/15E	21H/15	45	57	43	64	42	37
21H/15E	21H/15	45	57	58	64	42	53
21H/15E	21H/15	45	57	45	64	43	43
21H/15E	21H/15	45	57	43	64	44	1
21H/15E	21H/15	45	57	44	64	44	34
21H/15E	21H/15	45	58	4	64	43	6
21H/15E	21H/15	45	58	1	64	42	42
21H/15E	21H/15	45	57	46	64	43	18
21H/15E	21H/15	45	57	31	64	44	7
21H/15E	21H/15	45	58	53	64	41	46
21H/15E	21H/15	45	58	1	64	39	19
21H/15E	21H/15	45	58	5	64	44	13
21H/15E	21H/15	45	57	24	64	44	1
21H/15E	21H/15	45	57	51	64	38	32
21H/15E	21H/15	45	57	53	64	41	34

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
77.72	854.57	Boss Point Formation, Hopewell Ca	
57.00	555.18	Boss Point Formation, Hopewell Ca	
114.91	710.37	Boss Point Formation, Hopewell Ca	
99.36	563.11	Boss Point Formation, Hopewell Ca	
64.00	592.99	Hopewell Cape Formation/ Albert Fo	
106.60	583.84	Salisbury Formation, Boss Point For	
101.19	972.56	Boss Point Formation, Hopewell Ca	
87.71	649.39	Hopewell Cape Formation, Weldon	
87.48	671.65	Boss Point Formation, Hopewell Ca	
84.12	696.34	Boss Point Formation, Hopewell Ca	
112.78	836.89	Boss Point Formation, Hopewell Ca	
87.48	673.48	Salisbury Formation, Boss Point For	
117.96	945.73	Boss Point Formation, Hopewell Ca	
58.39	658.54	Hopewell Cape Formation, Albert Fo	
96.74	852.13	Boss Point Formation, Hopewell Ca	
158.50	657.32	Hillsborough Formation, Albert Form	
85.34	1022.56	Boss Point Formation, Hopewell Ca	
88.09	946.95	Hopewell Cape Formation, Weldon	
85.95	1067.38	Hopewell Cape Formation, Weldon	
133.81	874.09	Boss Point Formation, Hopewell Ca	
84.12	1161.59	Hopewell Cape Formation, Weldon	
86.56	1037.5	Hopewell Cape Formation, Weldon	
132.59	850.91	Boss Point Formation, Hopewell Ca	
138.07	810.37	Boss Point Formation, Hopewell Ca	
124.97	882.32	Boss Point Formation, Hopewell Ca	
126.19	865.55	Boss Point Formation, Hopewell Ca	
132.89	841.77	Boss Point Formation, Hopewell Ca	
115.21	925.91	Boss Point Formation, Hopewell Ca	
139.29	1088.41	Boss Point Formation, Hopewell Ca	
113.08	921.34	Hopewell Cape Formation, Weldon	
117.04	917.07	Hopewell Cape Formation, Weldon	
97.84	935.98	Hopewell Cape Formation, Weldon	
110.03	846.04	Boss Point Formation, Hopewell Ca	
92.35	1371.04	Boss Point Formation, Hopewell Ca	
98.45	739.18	Boss Point Formation, Hopewell Ca	
106.68	920.12	Boss Point Formation, Hopewell Ca	
98.15	921.65	Boss Point Formation, Hopewell Ca	
126.49	890.24	Boss Point Formation, Hopewell Ca	
82.39	669.97	Hopewell Cape Formation, Weldon	
82.24	768.9	Hopewell Cape Formation, Weldon	
53.64	809.76	Hopewell Cape Formation, Albert Fo	
8.69	1124.09	Hillsborough Formation, Boyd Creek	
92.78	881.55	Salisbury Fm. (Surface Gravel), Bo	
80.83	1220.12	Hopewell Cape Formation, Weldon	
6.10	923.48	Hillsborough Formation, Weldon For	
128.63	1040.24	Boss Point Formation, Hopewell Ca	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Oil and Gas	Deepened in 1919.	-90			
Oil and Gas		-90			Weldon/Albert red and
Oil and Gas		-90			
Oil and Gas	Deepened in 1918,	-90			Weldon/Albert red, gre
Oil and Gas		-90			No cuttings
Oil and Gas		-90			
Oil and Gas	Deepened in 1918,	-90			Enrage - ct of Enrage a
Oil and Gas		-90			No chips for Boss Poin
Oil and Gas		-90			
Oil and Gas	Deepened in 1921,	-90			Weldon/Albert red mud
Oil and Gas		-90			
Oil and Gas	Deepened in 1922.	-90			Weldon red, grey muds
Oil and Gas	Deepened in 1923.	-90			
Oil and Gas		-90			
Oil and Gas	Deepened in 1922.	-90			
Oil and Gas	Log illegible from 2	-90			
Oil and Gas	Deepened in 1926.	-90			Weldon/Albert red and
Oil and Gas		-90			Weldon/Albert red, gre
Oil and Gas		-90			Weldon/Albert red and
Oil and Gas		-90			Weldon/Albert red, gre
Oil and Gas		-90			Weldon/Albert red, gre
Oil and Gas		-90			Weldon/Albert red, gre
Oil and Gas		-90			Good type section for
Oil and Gas		-90			Weldon red mudstone,
Oil and Gas		-90			
Oil and Gas		-90			Weldon red mudstone;
Oil and Gas		-90			Weldon red mudstone.
Oil and Gas	Deepened in 1936.	-90			Weldon red mudstone
Oil and Gas		-90			Weldon red to grey mu
Oil and Gas		-90			Weldon red mudstone
Oil and Gas		-90			No Enrage chips.
Oil and Gas		-90			No chips for Enrage or
Oil and Gas		-90			Weldon/Albert less cho
Oil and Gas		-90			Weldon/Albert red, cho
Oil and Gas		-90			No cuttings.
Oil and Gas	Deepened in 1927.	-90			Weldon red mudstone,
Oil and Gas	Deepened in 1929.	-90			Weldon/Albert red, gre
Oil and Gas	Deepened in 1928.	-90			Weldon red mudstone.
Oil and Gas	Deepened in 1919,	-90			Weldon chocolate, gre
Oil and Gas		-90			Weldon/Albert mostly r
Oil and Gas		-90			
Oil and Gas	Deepened in 1929.	-90			I suspect that there is l
Oil and Gas	Deepened in 1930.	-90			Weldon/Albert red mud
Oil and Gas		-90			Weldon/Albert mostly r
Oil and Gas		-90			
Oil and Gas		-90			Weldon red changing d

Expected_Depth	Status	Updated	Status_Code	Well_History
	Unaban	10/7/2003	GHDH	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Abando	10/7/2003	GHGWA	Gas Producer
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHOGWA	Oil and Gas Produc
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHOWS	Oil Producer
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHOGWA	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHOGWA	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Unaban	10/7/2003	GHOWS	Oil Producer
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOWS	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOWS	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOWS	Oil Producer
	Water I	10/7/2003	GHSWDW	Oil and Gas Produc
	Shutin	10/7/2003	GHOWS	Oil Producer
	Water I	10/7/2003	GHSWDW	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Abando	10/7/2003	GHGWA	Gas Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHOWS	Oil Producer

Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
231	N	Stoney Creek 90	45.95889	64.75167	1930/08/29	Albert
232	N	Stoney Creek 91	45.9575	64.72722	1931/06/25	Albert
233	N	Stoney Creek 93	45.97	64.71583	1932/07/14	Albert
234	N	Stoney Creek 94	45.97472	64.71806	1932/08/15	Albert
235	N	Stoney Creek 96	45.95917	64.71833	1932/11/07	Albert
236	N	Stoney Creek 97	45.95611	64.73889	1933/05/19	Albert
237	N	Stoney Creek 98	45.96694	64.68722	1933/05/05	Albert
238	N	Stoney Creek 99	45.96861	64.68361	1933/06/21	Albert
239	N	West Stoney Creek 100	45.97083	64.80889	1933/10/19	Albert
240	N	Stoney Creek 101	45.96528	64.68528	1934/05/10	Albert
241	N	Stoney Creek 102	45.96583	64.73556	1934/10/08	Albert
242	N	Stoney Creek 103	45.9675	64.72833	1935/08/07	Albert
243	N	Stoney Creek 104	45.95556	64.72167	1936/04/13	Albert
244	N	Stoney Creek 105	45.96194	64.725	1936/09/12	Albert
245	N	Stoney Creek 106	45.96389	64.68583	1937/06/09	Albert
246	N	Stoney Creek 107	45.97	64.72361	1937/07/15	Albert
247	N	Weldon 108	45.94889	64.67833	1937/08/12	Albert
248	N	Stoney Creek 109	45.97194	64.69056	1937/11/27	Albert
249	N	Stoney Creek 110	45.97194	64.72806	1938/04/21	Albert
250	N	Stoney Creek 111	45.965	64.71556	1938/05/09	Albert
251	N	Weldon 112	45.95111	64.66417	1938/06/07	Albert
252	N	Stoney Creek 113	45.97222	64.7025	1938/08/01	Albert
253	N	Stoney Creek 114	45.96222	64.74833	1938/04/18	Albert
254	N	Stoney Creek 115	45.98139	64.77972	1938/09/28	Albert
255	N	Stoney Creek 116	45.96611	64.74222	1939/05/12	Albert
256	N	Stoney Creek 117	45.96278	64.68639	1939/07/24	Albert
257	N	Stoney Creek 118	45.96528	64.72222	1939/04/14	Albert
258	N	Stoney Creek 119	45.96944	64.72944	1939/10/09	Albert
259	N	Stoney Creek 120	45.96444	64.72972	1940/XX/XX	Albert
260	N	Stoney Creek 121	45.96861	64.70611	1940/08/13	Albert
261	N	Stoney Creek 122	45.96806	64.70333	1940/10/14	Albert
262	N	Stoney Creek 123	45.97194	64.70667	1940/12/21	Albert
263	N	Stoney Creek 124	45.96889	64.71222	1941/02/12	Albert
264	N	Stoney Creek 125	45.9675	64.70833	1941/03/14	Albert
265	N	Stoney Creek 126	45.94944	64.72861	1941/06/19	Albert
266	N	Baltimore 127	45.88667	64.81417	1941/06/02	Albert
267	N	Stoney Creek 128	45.95444	64.71111	1941/06/07	Albert
268	N	Stoney Creek 129	45.95806	64.71583	1943/07/21	Albert
269	N	Stoney Creek 130	45.97194	64.7125	1942/01/01	Albert
270	N	Stoney Creek 131	45.96806	64.69611	1942/01/28	Albert
271	N	Stoney Creek 132	45.96417	64.68917	1942/03/05	Albert
272	N	Stoney Creek 133	45.96472	64.69944	1942/10/27	Albert
273	N	Stoney Creek 134	45.96444	64.69556	1942/11/17	Albert
274	N	Stoney Creek 135	45.96583	64.69472	1943/04/19	Albert
275	N	Stoney Creek 136	45.96556	64.68944	1945/01/01	Albert
276	N	Stoney Creek 137	45.95972	64.71472	1943/08/17	Albert

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/15W	21H/15	45	57	32	64	45	6
21H/15E	21H/15	45	57	27	64	43	38
21H/15E	21H/15	45	58	12	64	42	57
21H/15E	21H/15	45	58	29	64	43	5
21H/15E	21H/15	45	57	33	64	43	6
21H/15E	21H/15	45	57	22	64	44	20
21H/15E	21H/15	45	58	1	64	41	14
21H/15E	21H/15	45	58	7	64	41	1
21H/15W	21H/15	45	58	15	64	48	32
21H/15E	21H/15	45	57	55	64	41	7
21H/15E	21H/15	45	57	57	64	44	8
21H/15E	21H/15	45	58	3	64	43	42
21H/15E	21H/15	45	57	20	64	43	18
21H/15E	21H/15	45	57	43	64	43	30
21H/15E	21H/15	45	57	50	64	41	9
21H/15E	21H/15	45	58	12	64	43	25
21H/15E	21H/15	45	56	56	64	40	42
21H/15E	21H/15	45	58	19	64	41	26
21H/15E	21H/15	45	58	19	64	43	41
21H/15E	21H/15	45	57	54	64	42	56
21H/15E	21H/15	45	57	4	64	39	51
21H/15E	21H/15	45	58	20	64	42	9
21H/15W	21H/15	45	57	44	64	44	54
21H/15W	21H/15	45	58	53	64	46	47
21H/15E	21H/15	45	57	58	64	44	32
21H/15E	21H/15	45	57	46	64	41	11
21H/15E	21H/15	45	57	55	64	43	20
21H/15E	21H/15	45	58	10	64	43	46
21H/15E	21H/15	45	57	52	64	43	47
21H/15E	21H/15	45	58	7	64	42	22
21H/15E	21H/15	45	58	5	64	42	12
21H/15E	21H/15	45	58	19	64	42	24
21H/15E	21H/15	45	58	8	64	42	44
21H/15E	21H/15	45	58	3	64	42	30
21H/15E	21H/15	45	56	58	64	43	43
21H/15W	21H/15	45	53	12	64	48	51
21H/15E	21H/15	45	57	16	64	42	40
21H/15E	21H/15	45	57	29	64	42	57
21H/15E	21H/15	45	58	19	64	42	45
21H/15E	21H/15	45	58	5	64	41	46
21H/15E	21H/15	45	57	51	64	41	21
21H/15E	21H/15	45	57	53	64	41	58
21H/15E	21H/15	45	57	52	64	41	44
21H/15E	21H/15	45	57	57	64	41	41
21H/15E	21H/15	45	57	56	64	41	22
21H/15E	21H/15	45	57	35	64	42	53

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
104.55	1286.59	Boss Point Formation, Hopewell Ca	
71.63	1115.85	Hopewell Cape Formation, Hillsboro	
120.09	853.96	Boss Point Formation, Hopewell Ca	
87.78	759.45	Boss Point Formation, Hopewell Ca	
84.12	1085.98	Boss Point Formation, Hopewell Ca	
85.65	901.52	Boss Point Formation, Hopewell Ca	
51.82	975	Hopewell Cape Formation, Weldon	
19.35	826.52	Weldon Formation, Albert Formation	
116.74	1330.18	Grande Anse Formation, Boss Point	
39.93	695.43	Mabou Group, Weldon Formation /	
101.19	892.07	Boss Point Formation, Hopewell Ca	
85.95	848.17	Boss Point Formation, Hopewell Ca	
74.98	1310.06	Hopewell Cape Formation, Boyd Cr	
88.70	1014.02	Hopewell Cape Formation, Weldon	
42.67	854.57	Hopewell Cape Formation, Hillsboro	
83.21	1013.72	Boss Point Formation, Hopewell Ca	
16.15	1015.55	Hillsborough Formation, Boyd Creek	
60.05	464.63	Hopewell Cape Formation, Albert Fo	
79.25	752.44	Boss Point Formation, Hopewell Ca	
100.58	880.18	Boss Point Formation, Hopewell Ca	
8.53	1331.1	Weldon Formation, Boyd Creek Tuff	
135.03	785.4	Boss Point Formation, Hopewell Ca	
115.82	939.02	Boss Point Formation, Hopewell Ca	
120.40	1187.2	Grande Anse Formation, Boss Point	
106.68	846.34	Boss Point Formation, Hopewell Ca	
48.46	998.48	Hopewell Cape Formation, Hillsboro	
86.26	939.63	Hopewell Cape Formation, Weldon	
88.39	1153.66	Boss Point Formation, Hopewell Ca	
93.57	944.51	Boss Point Formation, Hopewell Ca	
125.58	746.95	Boss Point Formation, Hopewell Ca	
140.51	765.55	Boss Point Formation, Hopewell Ca	
128.63	687.8	Boss Point Formation, Hopewell Ca	
125.58	846.95	Boss Point Formation, Hopewell Ca	
133.81	794.82	Boss Point Formation, Hopewell Ca	
89.31	1199.09	Hopewell Cape Formation, Hillsboro	
176.78	1117.99	Boss Point Formation. Hillsborough	
82.91	1389.63	Hopewell Cape Formation, Hillsboro	
89.00	1346.65	Hopewell Cape Formation, Hillsboro	
119.48	733.54	Boss Point Formation, Hopewell Ca	
141.12	814.94	Boss Point Formation, Hopewell Ca	
68.28	864.63	Hopewell Cape Formation, Hillsboro	
127.41	887.8	Boss Point Formation, Hopewell Ca	
131.06	865.24	Boss Point Formation, Hopewell Ca	
128.93	796.95	Boss Point Formation, Hopewell Ca	
66.45	737.8	Hopewell Cape Formation, Weldon	
82.91	1097.56	Hopewell Cape Formation, Weldon	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Oil and Gas	Log illegible from 1	-90			Weldon/Albert red mud
Oil and Gas	Deepened in 1932.	-90			Hillsborough pink grit.
Oil and Gas		-90			Weldon/Albert red and
Oil and Gas		-90			Weldon/Albert grey, mi
Oil and Gas	Deepened in 1953.	-90			Weldon/Albert grey an
Oil and Gas		-90			Weldon/Albert red and
Oil and Gas	Deepened in 1934,	-90			Weldon red to grey at
Oil and Gas		-90			
Oil and Gas		-90			Gays River no sulphate
Oil and Gas	Deepened in 1935.	-90			Weldon/Albert red, min
Oil and Gas	No log from 543 to	-90			Weldon/Albert red, min
Oil and Gas	Deepened in 1937,	-90			Weldon/Albert red and
Oil and Gas		-90			Hillsborough/Weldon r
Oil and Gas	Deepened in 1937	-90			Weldon/Albert red, cho
Oil and Gas		-90			Hillsborough mostly pin
Oil and Gas	Deepened from 10	-90			Weldon/Albert red, gre
Oil and Gas		-90			
Oil and Gas		-90			No Enrage chips.
Oil and Gas		-90			Weldon/Albert red, cho
Oil and Gas		-90			Weldon/Albert red,grey
Oil and Gas	Deepened in 1939.	-90			
Oil and Gas		-90			Weldon/Albert red, gre
Oil and Gas	Deepened in 1939.	-90			Weldon/Albert red cha
Oil and Gas	Deepened in 1939;	-90			
Oil and Gas		-90			Weldon/Albert red mud
Oil and Gas		-90			
Oil and Gas	Deepened in 1940;	-90			Weldon/Albert red, gre
Oil and Gas	Deepened in 1940.	-90			
Oil and Gas	Deepened in 1941.	-90			Weldon/Albert red, gre
Oil and Gas	Deepened in 1941,	-90			Weldon red mudstone.
Oil and Gas	Deepened in 1942,	-90			Weldon red mudstone.
Oil and Gas	Deepened in 1941,	-90			Boss Point and Enrage
Oil and Gas	Deepened in 1946.	-90			Boss point chips are n
Oil and Gas	Deepened in 1943.	-90			Weldon red mudstone.
Oil and Gas		-90			Hillsborough mostly grit
Oil and Gas		-90			Classic coarsening up
Oil and Gas	Albert Formation n	-90			Albert Formation not s
Oil and Gas	Deepened in 1946,	-90			Hillsborough pink grit.
Oil and Gas	Deepened in 1945.	-90			Weldon red and grey
Oil and Gas		-90			Good Enrage type sect
Oil and Gas		-90			
Oil and Gas		-90			Weldon red to chocolat
Oil and Gas		-90			Weldon red at top and
Oil and Gas		-90			Weldon red mudstone.
Oil and Gas		-90			Weldon red changing t
Oil and Gas	Deepened in 1946.	-90			Weldon red, chocolate,

Expected_Depth	Status	Updated	Status_Code	Well_History
	Abando	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHOGWA	Oil and Gas Produc
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHGWA	Gas Producer
	Shutin	10/7/2003	GHOWS	Oil Producer
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHGWA	Gas Producer
	Shutin	10/7/2003	GHOWS	Oil Producer
	Abando	10/7/2003	GHDHA	Dry
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHGWA	Gas Producer
	Abando	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHOGWA	Oil and Gas Produc
	Abando	10/7/2003	GHGWA	Gas Producer
	Abando	10/7/2003	GHGWA	Gas Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHGWA	Gas Producer
0	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Unaban	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOWS	Oil Producer
	Shutin	10/7/2003	GHOWS	Oil Producer
	Shutin	10/7/2003	GHOWS	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Shutin	10/7/2003	GHOWS	Oil Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc

Unique_I	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
277	N	Stoney Creek 138	45.96	64.72139	1943/09/25	Albert
278	N	Stoney Creek 139	45.965	64.68694	1944/03/23	Albert
279	N	Stoney Creek 140	45.96333	64.69111	1944/08/09	Albert
280	N	Stoney Creek 141	45.95861	64.7125	1944/10/09	Albert
281	N	Stoney Creek 142	45.96278	64.69333	1945/07/04	Albert
282	N	Stoney Creek 143	45.9625	64.69611	1945/10/05	Albert
283	N	Stoney Creek 144	45.97333	64.70917	1946/07/10	Albert
284	N	Stoney Creek 145	45.97472	64.70417	1946/08/13	Albert
285	N	Stoney Creek 146	45.97306	64.72139	1946/09/28	Albert
286	N	Stoney Creek 147	45.96694	64.725	1946/12/17	Albert
287	N	Stoney Creek 148	45.97333	64.72722	1947/XX/XX	Albert
288	N	Stoney Creek 149	45.95944	64.70806	1947/08/19	Albert
289	N	Stoney Creek 150	45.96111	64.71611	1947/09/25	Albert
290	N	Shenstone 151	45.89542	64.72583	1948/04/28	Albert
291	N	Stoney Creek 152	45.96806	64.71528	1948/10/21	Albert
292	N	Stoney Creek 153	45.97111	64.72611	1948/12/09	Albert
293	N	Stoney Creek 154	45.95583	64.7475	1948/12/21	Albert
294	N	Stoney Creek 155	45.9575	64.73889	1949/02/10	Albert
295	N	Stoney Creek 156	45.96333	64.73722	1949/09/01	Albert
296	N	Stoney Creek 157	45.96639	64.73861	1949/11/19	Albert
297	N	Stoney Creek 158	45.96472	64.7325	1950/02/01	Albert
298	N	Albert Mines 159	45.86667	64.7	1950/07/04	Albert
299	N	Stoney Creek 160	45.96194	64.69389	1951/XX/XX	Albert
300	N	Stoney Creek 161	45.96972	64.73556	1955/01/08	Albert
301	N	Stoney Creek 162	45.9675	64.73389	1956/03/19	Albert
302	N	Stoney Creek 163	45.9725	64.71694	1956/06/13	Albert
303	N	Stoney Creek 164	45.96972	64.71806	1956/11/30	Albert
304	N	Stoney Creek 165	45.97361	64.71917	1957/02/28	Albert
305	N	Stoney Creek 166	45.95083	64.76222	1957/07/02	Albert
306	N	Stoney Creek 167	45.95528	64.73028	1964/12/16	Albert
307	N	Stoney Creek 168	45.96556	64.69111	1966/10/13	Albert
308	N	Stoney Creek P1	45.96472	64.68444	1955/07/25	Albert
309	N	Stoney Creek P2	45.96333	64.68778	1955/04/03	Albert
310	N	Stoney Creek P3	45.96306	64.69972	1955/07/21	Albert
311	N	Stoney Creek P4	45.96694	64.71	1955/10/07	Albert
312	N	Stoney Creek P5	45.96444	64.69139	1955/10/07	Albert
313	N	Belliveau P6	45.9575	64.60222	1955/05/17	Westmorland
314	N	Stoney Creek P7	45.96583	64.70056	1955/12/12	Albert
315	N	Stoney Creek P8	45.96417	64.69417	1956/03/22	Albert
316	N	Belliveau P9	45.96167	64.60194	1956/04/12	Westmorland
317	N	West Stoney Creek 71-1	45.9525	64.77139	1971/07/15	Albert
318	N	Surrey 1	45.91472	64.64361	1963/06/03	Albert
319	N	Turtle Creek 1	45.96389	64.92028	1960/01/01	Albert
320	D'	Gautreau 1	45.96611	64.64111	1921/10/10	Westmorland
321	D'	Upper Dorchester 1	45.95	64.53694	1920/06/04	Westmorland
322	D'	Memramcook 1	45.9825	64.59028	1921/04/05	Westmorland

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/15E	21H/15	45	57	36	64	43	17
21H/15E	21H/15	45	57	54	64	41	13
21H/15E	21H/15	45	57	48	64	41	28
21H/15E	21H/15	45	57	31	64	42	45
21H/15E	21H/15	45	57	46	64	41	36
21H/15E	21H/15	45	57	45	64	41	46
21H/15E	21H/15	45	58	24	64	42	33
21H/15E	21H/15	45	58	29	64	42	15
21H/15E	21H/15	45	58	23	64	43	17
21H/15E	21H/15	45	58	1	64	43	30
21H/15E	21H/15	45	58	24	64	43	38
21H/15E	21H/15	45	57	34	64	42	29
21H/15E	21H/15	45	57	40	64	42	58
21H/15E	21H/15	45	53	43.5	64	43	33
21H/15E	21H/15	45	58	5	64	42	55
21H/15E	21H/15	45	58	16	64	43	34
21H/15E	21H/15	45	57	21	64	44	51
21H/15E	21H/15	45	57	27	64	44	20
21H/15E	21H/15	45	57	48	64	44	14
21H/15E	21H/15	45	57	59	64	44	19
21H/15E	21H/15	45	57	53	64	43	57
21H/15E	21H/15	45	52	0	64	42	0
21H/15E	21H/15	45	57	43	64	41	38
21H/15E	21H/15	45	58	11	64	44	8
21H/15E	21H/15	45	58	3	64	44	2
21H/15E	21H/15	45	58	21	64	43	1
21H/15E	21H/15	45	58	11	64	43	5
21H/15E	21H/15	45	58	25	64	43	9
21H/15W	21H/15	45	57	3	64	45	44
21H/15E	21H/15	45	57	19	64	43	49
21H/15E	21H/15	45	57	56	64	41	28
21H/15E	21H/15	45	57	53	64	41	4
21H/15E	21H/15	45	57	48	64	41	16
21H/15E	21H/15	45	57	47	64	41	59
21H/15E	21H/15	45	58	1	64	42	36
21H/15E	21H/15	45	57	52	64	41	29
21H/15E	21H/15	45	57	27	64	36	8
21H/15E	21H/15	45	57	57	64	42	2
21H/15E	21H/15	45	57	51	64	41	39
21H/15E	21H/15	45	57	42	64	36	7
21H/15W	21H/15	45	57	9	64	46	17
21H/15E	21H/15	45	54	53	64	38	37
21H/15W	21H/15	45	57	50	64	55	13
21H/15E	21H/15	45	57	58	64	38	28
21H/15E	21H/15	45	57	0	64	32	13
21H/15E	21H/15	45	58	57	64	35	25

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
78.33	995.73	Hopewell Cape Formation, Weldon	
50.29	791.77	Hopewell Cape Formation, Hillsboro	
119.18	907.62	Boss Point Formation, Hopewell Ca	
88.09	1096.04	Hopewell Cape Formation, Hillsboro	
127.41	979.57	Boss Point Formation, Hopewell Ca	
117.35	937.2	Hopewell Cape Formation, Hillsboro	
115.82	726.83	Boss Point Formation, Hopewell Ca	
126.19	718.9	Boss Point Formation, Hopewell Ca	
84.12	640.24	Boss Point Formation, Hopewell Ca	
81.99	730.49	Boss Point Formation, Hopewell Ca	
67.07	681.71	Boss Point Formation, Hopewell Ca	
74.98	1080.79	Hopewell Cape Formation, Hillsboro	
78.64	989.33	Hopewell Cape Formation, Weldon	
55	1032.62	Weldon Formation, Albert Formation	
116.13	835.37	Boss Point Formation, Hopewell Ca	
67.07	804.88	Boss Point Formation, Hopewell Ca	
101.19	1110.37	Boss Point Formation, Hopewell Ca	
69.80	921.65	Hopewell Cape Formation, Weldon	
107.32	761.28	Boss Point Formation, Hopewell Ca	
100.61	733.84	Boss Point Formation, Hopewell Ca	
101.19	615.85	Boss Point Formation, Hopewell Ca	
137.16	662.8	Horton Group	
115.82	1058.84	Boss Point Formation, Hopewell Ca	
89.98	828.35	Boss Point Formation, Hopewell Ca	
94.49	794.21	Boss Point Formation, Hopewell Ca	
105.18	761.59	Boss Point Formation, Hopewell Ca	
106.68	496.65	Boss Point Formation, Hopewell Ca	
94.49	589.94	Boss Point Formation, Hopewell Ca	
140.67	1583.23	Boss Point Formation, Hopewell Ca	
79.27	907.01	Hopewell Cape Formation, Weldon	
84.12	749.81	Hopewell Cape Formation, Weldon	
36.80	1301.8	Hopewell Cape Formation, Hillsboro	
	911.59	Hopewell Cape Formation, Hillsboro	
109.57	922.87	Hopewell Cape Formation, Hillsboro	
129.21	918.6	Boss Point Formation, Hopewell Ca	
	826.22	Boss Point Formation, Hopewell Ca	
	1040.85	Pictou Group, Cm R.B., Albert Form	
	865.85	Boss Point Formation, Hopewell Ca	
	871.95	Boss Point Formation, Hopewell Ca	
	766.77	Hopewell Cape Formation, Weldon	
140.44	1346.34	Boss Point Formation, Hopewell Ca	
37.5	1064.02	Hillsborough Formation, Weldon For	
99.36	1549.09	Salisbury Formation, Boss Point For	
21.34	572.56	Cm R.B., Albert Formation	
9.15	357.01	Albert Formation	76.2
37.49	189.02	Albert Formation	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Oil and Gas		-90			Weldon red, chocolate,
Oil and Gas		-90			Weldon red, chocolate,
Oil and Gas		-90			Weldon red to chocolat
Oil and Gas	Deepened in 1946,	-90			Weldon red, chocolate
Oil and Gas		-90			Weldon red and chocol
Oil and Gas	Deepened in 1946.	-90			
Oil and Gas		-90			Weldon red and grey
Oil and Gas		-90			Enrage grey grit on Alb
Oil and Gas	Deepened in 1947.	-90			
Oil and Gas	Deepened in 1947.	-90			Weldon red/grey mudst
Oil and Gas		-90			Weldon/Albert some gr
Oil and Gas		-90			
Oil and Gas	No log from 624 to	-90			Albert total depth of chi
Oil and Gas	Well did not interse	-90			Well did not intersect b
Oil and Gas	Deepened in 1949.	-90			
Oil and Gas		-90			"Hopewell type".
Oil and Gas		-90			
Oil and Gas		-90			Weldon red, grey, mud
Oil and Gas		-90			Weldon/Albert red, gre
Oil and Gas	Deepened in 1951.	-90			Weldon/Albert mostly g
Oil and Gas		-90			Weldon/Albert red, gre
Oil and Gas	Location is approxi	-90			
Oil and Gas	No log from 0 to 48	-90			Weldon red, chocolate,
Oil and Gas		-90			Weldon grey, red, choc
Oil and Gas		-90			Chips for Boss Point, E
Oil and Gas		-90			Weldon red to grey mu
Oil and Gas		-90			Weldon red and mostly
Oil and Gas		-90			
Oil and Gas		-90			Weldon mostly pink co
Oil and Gas	Deepened in 1965.	-90			Weldon 16.16 - 101.22
Oil and Gas		-90	87.48		Weldon changes from
Oil and Gas		-90	38.11		
Oil and Gas	No cuttings from 0	-90	69.21		No chips from 0 - 1075
Oil and Gas		-90	111.28		
Oil and Gas	No cuttings from 0	-90	130.03		There are no cuttings f
Oil and Gas	No cuttings from 0	-90	119.21		No chips down to 850',
Oil and Gas	Well fractured in 1	-90	79.57		
Oil and Gas		-90	131.46		
Oil and Gas	No cuttings from 0	-90	134.15		No samples from 0 - 4
Oil and Gas	No cuttings from 0	-90	80.64		No cuttings from 0 - 18
Oil and Gas		-90	143.87		Boss Point Conglomer
Oil and Gas	Log is descriptive s	-90	39.2		Hillsborough red to buff
Oil and Gas		-90	100.28		
Oil and Gas		-90			
Oil and Gas		-90			
Oil and Gas		-90			

Expected_Depth	Status	Updated	Status_Code	Well_History
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Abando	10/7/2003	GHOWA	Oil Producer
	Shutin	10/7/2003	GHOWS	Oil Producer
	Abando	10/7/2003	GHOWA	Oil Producer
	Water I	10/7/2003	GHSWDW	Oil and Gas Produe
	Water I	10/7/2003	GHSWDW	Oil Producer
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHDHA	Dry
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHOWA	Oil Producer
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Shutin	10/7/2003	GHGWS	Gas Producer
	Abando	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHGWS	Gas Producer
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
	Water I	10/7/2003	GHSWDW	Gas Producer
	Abando	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHDHGA	Gas Show
	Shutin	10/7/2003	GHOGWS	Oil and Gas Produc
0	Water I	10/7/2003	GHSWDW	Gas Producer
	Abando	10/7/2003	GHDHOG	Oil an Gas Shows
	Water I	10/7/2003	GHSWDW	Oil Producer
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHOWA	Oil Producer
	Water I	10/7/2003	GHSWDW	Oil Producer
	Abando	10/7/2003	GHDHGA	Oil Show
	Water I	10/7/2003	GHSWDW	Gas Show
	Shutin	10/7/2003	GHOWS	Oil Producer
	Abando	10/7/2003	GHDHGA	Gas Show
0	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
0	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Mechanical Failure
	Abando	10/7/2003	GHDHA	Mechanical Failure

Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
323	D'	Memramcook 2	45.9825	64.59028	1921/06/14	Westmorland
324	S	Belliveau 1	45.9575	64.60222	1949/09/30	Westmorland
325	S	Dorchester 1	45.91417	64.53167	1949/06/24	Westmorland
326	I	Hillsborough 1	45.92806	64.67	1959/01/27	Albert
327	I	Gautreau 1	45.97167	64.64083	1958/08/30	Westmorland
328	I	Berryton 1	45.89333	64.88	1959/03/10	Albert
329	I	St. Josephs 1	45.97056	64.58056	1959/01/30	Westmorland
330	I	Dorchester 1	45.88917	64.52361	1960/05/15	Westmorland
331	Ir	Stoney Creek 1	45.96	64.72694	1985/03/14	Albert
332	Ir	East Stoney Creek 1	45.96472	64.68722	1985/10/16	Albert
333	Ir	Hillsborough 1	45.91861	64.72	1985/05/20	Albert
334	Ir	Little River 1	45.9075	64.93472	1985/09/02	Albert
335	At	St. Joseph 1	45.96944	64.59028	1967/08/10	Westmorland
336	At	St. Joseph 2	45.97056	64.58167	1967/09/29	Westmorland
337	At	Boudreau 1	45.93306	64.59361	1968/07/12	Westmorland
338	At	Dover 1	45.98361	64.65028	1968/06/29	Westmorland
339	At	Dover 1A	45.9825	64.65389	1968/07/02	Westmorland
340	At	Rosevale 1	45.85528	64.85139	1968/05/19	Albert
341	At	Taylor Village 1	45.93583	64.55722	1967/09/28	Westmorland
342	At	Albert Mines 1	45.87889	64.69556	1968/06/02	Albert
343	At	Albert Mines 1A	45.87889	64.6975	1968/06/15	Albert
344	C	Albert Mines 1	45.88	64.69306	1974/10/01	Albert
345	C	Albert Mines 2	45.87972	64.6975	1976/03/26	Albert
346	C	Albert Mines 4	45.87778	64.70056	1976/08/06	Albert
347	C	Albert Mines 5	45.87917	64.69333	1976/09/01	Albert
348	C	Albert Mines 6	45.88278	64.69778	1976/10/16	Albert
349	C	Albert Mines 7	45.87944	64.70806	1976/11/17	Albert
350	C	Albert Mines 81-8	45.88639	64.68667	1981/08/29	Albert
351	C	Albert Mines 81-9	45.88111	64.69306	1981/10/10	Albert
352	C	Shenstone 81-1	45.89528	64.72556	1981/09/26	Albert
353	C	Rosevale 1	45.86722	64.81028	1976/03/01	Albert
354	C	Dover 1	45.98417	64.62417	1986/07/29	Westmorland
355	P	Dover 1	45.98806	64.64972	1982/08/06	Westmorland
356	P	Dover 2	45.9825	64.63944	1982/XX/XX	Westmorland
357	P	Boudreau 1	45.91056	64.60278	1982/08/26	Westmorland
358	Pr	Rosevale 1	45.86111	64.80861	1985/10/03	Albert
359	Pr	Rosevale 2	45.86139	64.80583	1985/10/23	Albert
360	Pr	Rosevale 3	45.86278	64.81444	1985/10/12	Albert
361	Pr	Rosevale 4	45.86278	64.80139	1985/09/15	Albert
362	Pr	Rosevale 5	45.86306	64.80528	1985/09/23	Albert
363	Pr	Rosevale 6	45.86028	64.81028	1985/10/18	Albert
364	Pr	Weldon 49-1	45.95111	64.665	1948/XX/XX	Albert
365	Si	Weldon 2	45.94972	64.67333	1961/XX/XX	Albert
366	Si	Weldon 3	45.95306	64.67472	1961/XX/XX	Albert
367	Si	Weldon 4	45.95139	64.66917	1961/XX/XX	Albert
368	Si	Weldon 5	45.95417	64.66889	1961/XX/XX	Albert

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/15E	21H/15	45	58	57	64	35	25
21H/15E	21H/15	45	57	27	64	36	8
21H/15E	21H/15	45	54	51	64	31	54
21H/15E	21H/15	45	55	41	64	40	12
21H/15E	21H/15	45	58	18	64	38	27
21H/15W	21H/15	45	53	36	64	52	48
21H/15E	21H/15	45	58	14	64	34	50
21H/15E	21H/15	45	53	21	64	31	25
21H/15E	21H/15	45	57	36	64	43	37
21H/15E	21H/15	45	57	53	64	41	14
21H/15E	21H/15	45	55	7	64	43	12
21H/15W	21H/15	45	54	27	64	56	5
21H/15E	21H/15	45	58	10	64	35	25
21H/15E	21H/15	45	58	14	64	34	54
21H/15E	21H/15	45	55	59	64	35	37
21H/15E	21H/15	45	59	1	64	39	1
21H/15E	21H/15	45	58	57	64	39	14
21H/15W	21H/15	45	51	19	64	51	5
21H/15E	21H/15	45	56	9	64	33	26
21H/15E	21H/15	45	52	44	64	41	44
21H/15E	21H/15	45	52	44	64	41	51
21H/15E	21H/15	45	52	48	64	41	35
21H/15E	21H/15	45	52	47	64	41	51
21H/15E	21H/15	45	52	40	64	42	2
21H/15E	21H/15	45	52	45	64	41	36
21H/15E	21H/15	45	52	58	64	41	52
21H/15E	21H/15	45	52	46	64	42	29
21H/15E	21H/15	45	53	11	64	41	12
21H/15E	21H/15	45	52	52	64	41	35
21H/15E	21H/15	45	53	43	64	43	32
21H/15W	21H/15	45	52	2	64	48	37
21H/15E	21H/15	45	59	3	64	37	27
21H/15E	21H/15	45	59	17	64	38	59
21H/15E	21H/15	45	58	57	64	38	22
21H/15E	21H/15	45	54	38	64	36	10
21H/15W	21H/15	45	51	40	64	48	31
21H/15W	21H/15	45	51	41	64	48	21
21H/15W	21H/15	45	51	46	64	48	52
21H/15W	21H/15	45	51	46	64	48	5
21H/15W	21H/15	45	51	47	64	48	19
21H/15W	21H/15	45	51	37	64	48	37
21H/15E	21H/15	45	57	4	64	39	54
21H/15E	21H/15	45	56	59	64	40	24
21H/15E	21H/15	45	57	11	64	40	29
21H/15E	21H/15	45	57	5	64	40	9
21H/15E	21H/15	45	57	15	64	40	8

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
37.49	829.27	Albert Formation, Memramcook For	
79.55	1040.85	Boss Point Formation or Mabou Gro	
4.27	2509.15	Hopewell Cape Formation, Lime-kiln	
52.43	1156.41	Hillsborough Formation, Weldon For	
30.88	843.9	Hopewell Cape Formation, Albert Fo	
127.10	2009.76	Boss Point Formation, Windsor Gro	
42.23	1067.39	Mabou Group, Albert Formation	
19.51	2421.34	Boss Point Formation, Hopewell Ca	
86.47	1592	Hopewell Cape Formation, Weldon	
60.27	1435	Hopewell Cape Formation, Weldon	
63.38	3013	Hillsborough Formation, Weldon For	
165.9	1615	Boss Point Formation, Mabou Grou	
45.72	1229.57	Hopewell Cape Formation, Albert Fo	
50.29	1129.59	Hopewell Cape Formation, Albert Fo	
30.48	579.94	Albert Formation	
56.39	130.15	Hopewell Cape Formation, Albert Fo	
59.45	318.82	Hopewell Cape Formation, Albert Fo	
149.35	355.18	Hillsborough Formation, Albert Form	
42.67	196.6	Albert Formation	
103.63	92.96	Albert Formation	
108.20	515.05	Albert Formation	
30.48	49.68	Frederick Brook Member	
103.63	254.81	Frederick Brook Member	
103.63	520.73	Hiram Brook Member, Frederick Bro	
114.30	870.81	Frederick Brook Member	
120.40	479.45	Frederick Brook Member, Dawson S	
129.54	601.07	Hiram Brook Member, Frederick Bro	
69.6	609	Weldon Formation, Albert Formation	
95.5	123	Frederick Brook Member	
56.2	306.6	Weldon Formation	
228.60	641.46	Hillsborough Formation, Weldon For	
63	105.77	Hiram Brook Member, Frederick Bro	
36.475	428.05	Hopewell Cape Formation, Frederic	
44.61	379.97	Hiram Brook Member, Frederick Bro	
	155.49	Albert Formation	
251	162	Albert Formation	
235	108	Albert Formation	
224	151.5	Hillsborough Formation, Weldon For	
233.0	151.5	Albert Formation	
235	232.33	Albert Formation	
245	102.7	Albert Formation	
6.19	762.5	Hillsborough Formation, Boyd Creek	
12.44	371.04	Cm R.B., Albert Formation	
32.95	393.6	Cm R.B., Albert Formation	
21.12	472.26	Cm R.B., Albert Formation	
8.14	407.62	Cm R.B., Albert Formation	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Oil and Gas		-90			
Oil and Gas	Well fractured in 1	-90			
Oil and Gas		-90	6.4		
Oil and Gas	Well intersected m	-90	57.3		
Oil and Gas		-90	32.4		
Oil and Gas		-90	131.67		
Oil and Gas		-90			
Oil and Gas		-90	24.08		
Oil and Gas		-90	93.93		
Oil and Gas		-90	66.27		
Oil and Gas		-90	70.71		
Oil and Gas		-90	172.97		Boss Point - no cutting
Oil Shale	Core at DNRE, Fre	-90	47.55		
Oil Shale	Core at DNRE, Fre	-90	52.12		
Oil Shale	Core at DNRE, Fre	-50		114	
Oil Shale		-90			
Oil Shale	Core at DNRE, Fre	-60		024	
Oil Shale	Core at DNRE, Fre	-60		139	
Oil Shale		-90			
Oil Shale		-45		029	
Oil Shale	Core at DNRE, Fre	-60		049	
Oil Shale		-90			
Oil Shale		-90	104.55		
Oil Shale		-90	104.55		
Oil Shale		-90	115.21		
Oil Shale		-90	121.31		
Oil Shale		-90	130.15		
Oil Shale	Lithologic log is de	-90			Weldon red musdtone
Oil Shale	Lithologic log is de	-90			
Oil Shale	Lithologic log is de	-90			
Oil Shale	Porosity and perm	-90	229.51		
Oil Shale		-90			
Oil Shale		-90			
Oil Shale		-90			
Oil Shale		-90	8.5		
Oil Shale	Well dips at -60 de	-60			
Oil Shale	Well dips at -45 de	-45	236		
Oil Shale	Well dips at -60 de	-60			
Oil Shale	Well dips at -60 de	-60			
Oil Shale	Well dips at -60 de	-60			
Oil Shale	Well dips at -60 de	-60			
Salt	Geochemical log pr	-90			
Salt		-90			
Salt		-90			
Salt		-90			
Salt		-90			

Expected_Depth	Status	Updated	Status_Code	Well_History
	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
0	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHA	Dry
1700	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
1500	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
2500	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
1500	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHOG	Oil and Gas Shows
	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHOA	Oil Shows
0	Abando	10/7/2003	GHDHA	Dry
518.16	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHA	Dry
518.16	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHOA	Oil Show
	Abando	10/7/2003	GHDHA	Dry

Unique_I	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
369	C	Upper Dorchester 1	45.93722	64.52667	1971/07/04	Westmorland
370	C	Upper Dorchester 2	45.93639	64.52611	1971/07/10	Westmorland
371	C	Upper Dorchester 3	45.93556	64.52583	1971/07/10	Westmorland
372	C	Upper Dorchester 4	45.9375	64.52528	1971/07/23	Westmorland
373	C	Upper Dorchester 5	45.93528	64.53	1971/07/30	Westmorland
374	C	Upper Dorchester 6	45.93778	64.52444	1971/08/06	Westmorland
375	C	Upper Dorchester 7	45.94056	64.51722	1971/08/08	Westmorland
376	C	Upper Dorchester 8	45.94	64.51639	1971/08/09	Westmorland
377	Pr	254	45.87083	64.59861	1978/08/04	Albert
378	Pr	255	45.94167	65.86861	1978/08/03	Queens
379	Pr	256	45.94861	64.98333	1978/07/30	Albert
380	Pr	273	45.8175	64.65111	1978/08/05	Kings
381	Pr	274	45.87972	64.91972	1978/08/02	Albert
382	Pr	229	46.00083	64.08611	1978/08/31	Westmorland
383	Pr	230	45.96917	64.16806	1978/08/31	Westmorland
384	Pr	231	45.97972	64.30306	1978/09/07	Westmorland
385	Pr	251	45.88083	64.26694	1978/08/02	Westmorland
386	Pr	252	45.92111	64.43944	1978/09/06	Westmorland
387	Pr	271	45.85917	64.45306	1978/09/03	Westmorland
388	Pr	288	45.79056	64.44472	1978/09/03	Westmorland
389	Pr	186	46.17944	64.02444	1978/08/28	Westmorland
390	Pr	187	46.18528	64.16056	1978/08/12	Westmorland
391	Pr	188	46.1675	64.29694	1978/08/11	Westmorland
392	Pr	189	46.14472	64.40611	1978/08/11	Westmorland
393	Pr	204	46.14278	64.3875	1977/12/09	Westmorland
394	Pr	211	46.0775	64.02889	1978/08/31	Westmorland
395	Pr	212	46.10222	64.12222	1978/08/26	Westmorland
396	Pr	213	46.08611	64.26833	1978/08/13	Westmorland
397	Pr	214	46.0875	64.42778	1978/08/10	Westmorland
398	D'	Cape Bald 1	46.14944	64.34333	1920/03/31	Westmorland
399	D'	Cape Bald 2	46.18333	64.28917	1920/10/02	Westmorland
400	D'	Port Elgin 1	46.065	64.11389	1919/05/01	Westmorland
401	S	Westmorland 1	46.07861	64.39806	1950/01/09	Westmorland
402	I	Port Elgin 1	46.07944	64.11333	1959/09/13	Westmorland
403	M	Leger Corner 1	46.10139	64.73056	1909/XX/XX	Westmorland
404	M	Memramcook West 2	46.00639	64.62333	1909/05/12	Westmorland
405	N	Scotts Hill 51	46.00472	64.70806	1919/05/10	Albert
406	N	Mud Creek 52	46.05139	64.73333	1919/05/10	Albert
407	N	Lower Coverdale 92	46.02806	64.71444	1931/07/09	Albert
408	Pr	166	46.23722	64.58222	1977/07/24	Westmorland
409	Pr	167	46.24361	64.66361	1977/07/26	Westmorland
410	Pr	190	46.17111	64.54556	1978/08/10	Westmorland
411	Pr	191	46.19472	64.6975	1978/08/07	Westmorland
412	Pr	192	46.15194	64.77472	1978/08/06	Westmorland
413	Pr	193	46.18778	64.97	1977/07/29	Westmorland
414	Pr	215	46.12056	64.545	1978/08/09	Westmorland

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/15E	21H/15	45	56	14	64	31	36
21H/15E	21H/15	45	56	11	64	31	34
21H/15E	21H/15	45	56	8	64	31	33
21H/15E	21H/15	45	56	15	64	31	31
21H/15E	21H/15	45	56	7	64	31	48
21H/15E	21H/15	45	56	16	64	31	28
21H/15E	21H/15	45	56	26	64	31	2
21H/15E	21H/15	45	56	24	64	30	59
21H/15E	21H/15	45	52	15	64	35	55
21H/15W	21H/15	45	56	30	65	52	7
21H/15W	21H/15	45	56	55	64	59	0
21H/15E	21H/15	45	49	3	64	39	4
21H/15W	21H/15	45	52	47	64	55	11
21I/01E	21I/01	46	0	3	64	5	10
21H/16E	21H/16	45	58	9	64	10	5
21H/16W	21H/16	45	58	47	64	18	11
21H/16W	21H/16	45	52	51	64	16	1
21H/16W	21H/16	45	55	16	64	26	22
21H/16E	21H/16	45	51	33	64	27	11
21H/16W	21H/16	45	47	26	64	26	41
21I/01E	21I/01	46	10	46	64	1	28
21I/01E	21I/01	46	11	7	64	9	38
21I/01W	21I/01	46	10	3	64	17	49
21I/01W	21I/01	46	8	41	64	24	22
21I/01W	21I/01	46	8	34	64	23	15
21I/01E	21I/01	46	4	39	64	1	44
21I/01E	21I/01	46	6	8	64	7	20
21I/01W	21I/01	46	5	10	64	16	6
21I/01W	21I/01	46	5	15	64	25	40
21I/01W	21I/01	46	8	58	64	20	36
21I/01W	21I/01	46	11	0	64	17	21
21I/01E	21I/01	46	3	54	64	6	50
21I/01W	21I/01	46	4	43	64	23	53
21I/01E	21I/01	46	4	46	64	6	48
21I/02E	21I/02	46	6	5	64	43	50
21I/02E	21I/02	46	0	23	64	37	24
21I/02E	21I/02	46	0	17	64	42	29
21I/02E	21I/02	46	3	5	64	44	0
21I/02E	21I/02	46	1	41	64	42	52
21I/02E	21I/02	46	14	14	64	34	56
21I/02E	21I/02	46	14	37	64	39	[illegible]
21I/02E	21I/02	46	10	16	64	32	44
21I/02E	21I/02	46	11	41	64	41	51
21I/02W	21I/02	46	9	7	64	46	29
21I/02W	21I/02	46	11	16	64	58	12
21I/02E	21I/02	46	7	14	64	32	42

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
4.5	240.85	Gays River Formation, Albert Forma	
4.0	236.28	Upperton Formation, Gays River For	
5.0	197.26	Mabou Group, Upperton Formation	
7.0	221.34	Upperton Formation, Gays River For	
2.5	179.57	Upperton Formation, Gays River For	
11.0	91.77	Gays River Formation, Albert Forma	
34.0	121.95	Gays River Formation, Albert Forma	
32.0	212.5	Upperton Formation, Gays River For	
14.94	122.22	Boss Point Formation	60.96
71.93	117.96	Boss Point Formation	
107.90	122.22	Pictou Group	
171.91	117.65	Boss Point Formation	100.58
227.99	113.39	Boss Point Formation	73.15
14.02	122.22	Pictou Group	
23.17	122.22	Pictou Group	
23.16	122.22	Pictou Group	
38.10	122.22	Boss Point Formation, Pictou Group	1.52
98.15	122.22	Pictou Group	79.25
88.09	122.22	Boss Point Formation	79.25
29.87	109.73	Pictou Group	
3.96	122.22	Pictou Group	
6.10	122.22	Pictou Group	
47.26	122.22	Pictou Group	
21.95	117.96	Pictou Group	100.58
152.40	122.22	Pictou Group	12.19
18.90	122.22	Pictou Group	
18.90	122.22	Pictou Group	
39.94	122.22	Pictou Group	
49.99	122.22	Pictou Group	
30.48	350.52	Pictou Group, Pre-Carboniferous Ba	
15.24	766.88	Pictou Group, Pre-Carboniferous Ba	
7.32	990.9	Richibucto Formation, Scoudouc Fo	
54.86	314.02	Pictou Group, Pre-Carboniferous Ba	
14.33	926.9	Richibucto Formation, Scoudouc-Sa	
15.24	371.86	Salisbury Formation, Boss Point For	
180.44	731.52	Boss Point Formation, Hopewell Ca	
52.73	393.8	Boss Point Formation, Hopewell Ca	
20.73	873.25	Salisbury Formation, Boss Point For	
34.75	231.04	Salisbury Formation, Boss Point For	
17.98	122.22	Pictou Group	
10.97	76.5	Pictou Group	
29.87	122.22	Pictou Group	
35.05	122.22	Pictou Group	
60.96	122.22	Pictou Group	
93.88	122.22	Pictou Group	32.61
28.96	117.65	Pictou Group	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Barite and C	Hole inclined at -50	-50		340	
Barite and C	Hole inclined at -50	-50		340	
Barite and C	Hole inclined at -52	-52		340	
Barite and C	Hole inclined at -45	-45		340	
Barite and C	Hole inclined at -50	-50		313	
Barite and C	Hole inclined at -45	-45		340	
Barite and C	Hole inclined at -45	-45		340	
Barite and C	Hole inclined at -45	-45		340	
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
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Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Oil and Gas	Formations interpr	-90			Formations interpreted
Oil and Gas	Basement granite c	-90			
Oil and Gas		-90			
Oil and Gas	Basement is massi	-90	56.71		Basement is massive a
Oil and Gas	Basement granite c	-90	19.51		Basement is granite at
Oil and Gas		-90			
Oil and Gas		-90			Cuttings for two wells a
Oil and Gas		-90			
Oil and Gas	Basement is granit	-90			Basement granite and
Oil and Gas	Basement is granit	-90			Basement granite and
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			

Expected_Depth	Status	Updated	Status_Code	Well_History
0				
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	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Unkno	10/7/2003	GHDHGA	Gas Show
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
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Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
415	Pr	216	46.09389	64.64333	1978/08/08	Westmorland
416	Pr	217	46.05639	64.98889	1978/07/28	Westmorland
417	Pr	233	46.00167	64.61861	1978/08/09	Westmorland
418	Pr	234	46.00528	64.88694	1978/08/02	Albert
419	Pr	235	46.01333	64.96444	1978/07/31	Albert
420	Ki	T-1	46.01806	64.75194	1970/XX/XX	Albert
421	Ki	T-2	46.01972	64.75194	1970/XX/XX	Albert
422	Ki	T-3	46.01889	64.75444	1970/XX/XX	Albert
423	Ki	T-4	46.02111	64.75222	1970/XX/XX	Albert
424	W	Moncton Humpyard Water Well	46.07361	64.87639	1962/XX/XX	Westmorland
425	N	Killams Mills	46.04583	65.20278	1941/12/XX	Westmorland
426	Pr	171	46.24389	65.11222	1977/07/29	Westmorland
427	Pr	172	46.20194	65.26694	1977/08/02	Westmorland
428	Pr	194	46.20056	65.02417	1977/07/28	Westmorland
429	Pr	195	46.18333	65.16389	1977/07/30	Westmorland
430	Pr	196	46.15028	65.28611	1977/08/02	Westmorland
431	Pr	197	46.165	65.39972	1977/08/03	Queens
432	Pr	198	46.16444	65.49583	1977/08/03	Queens
433	Pr	218	46.10111	65.21194	1977/07/31	Westmorland
434	Pr	219	46.08528	65.31361	1977/08/01	Westmorland
435	Pr	220	46.07556	65.42972	1977/08/22	Queens
436	Pr	236	46.00556	65.06417	1978/07/29	Westmorland
437	Pr	221	46.07472	65.56556	1977/08/20	Queens
438	Pr	222	46.08444	65.63667	1977/08/04	Queens
439	Pr	239	46.04	65.54472	1977/08/22	Queens
440	Pr	B27	46.21389	65.50417	1979/07/31	Queens
441	Pr	B28	46.17833	65.60694	1979/07/29	Queens
442	Pr	M1	46.11028	65.92	1977/01/19	Queens
443	Pr	M2	46.11111	65.92	1977/01/19	Queens
444	Pr	M3	46.11306	65.92472	1977/01/20	Queens
445	Pr	126	46.48917	65.56778	1977/08/31	Kent
446	Pr	141	46.42639	65.52139	1977/08/30	Kent
447	Pr	142	46.42083	65.67028	1977/08/31	Kent
448	Pr	143	46.39056	65.7425	1977/09/01	Kent
449	Pr	157	46.3575	65.54056	1977/09/02	Kent
450	Pr	158	46.35917	65.6825	1977/09/02	Kent
451	Pr	B20	46.49889	65.68833	1979/07/04	Kent
452	Pr	B21	46.45028	65.81639	1979/07/06	Northumberla
453	Pr	B24	46.28278	65.54667	1979/06/10	Queens
454	Pr	1157	46.36611	65.5025	1978/02/26	Kent
455	Pr	10M9	46.32333	65.87444	1977/02/02	Sunbury
456	Pr	123	46.4975	65.135	1977/09/04	Kent
457	Pr	125	46.47528	65.29944	1977/09/03	Kent
458	Pr	138	46.45556	65.13861	1977/08/29	Kent
459	Pr	139	46.47222	65.20028	1977/08/28	Kent
460	Pr	140	46.39833	65.43889	1977/09/03	Kent

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21I/02E	21I/02	46	5	38	64	38	36
21I/02W	21I/02	46	3	23	64	59	20
21I/02E	21I/02	46	0	6	64	37	7
21I/02W	21I/02	46	0	19	64	53	13
21I/02W	21I/02	46	0	48	64	57	52
21I/02W	21I/02	46	1	5	64	45	7
21I/02W	21I/02	46	1	11	64	45	7
21I/02W	21I/02	46	1	8	64	45	16
21I/02W	21I/02	46	1	16	64	45	8
21I/02W	21I/02	46	4	25	64	52	35
21I/03E	21I/03	46	2	45	65	12	10
21I/03E	21I/03	46	14	38	65	6	44
21I/03W	21I/03	46	12	7	65	16	1
21I/03E	21I/03	46	12	2	65	1	27
21I/03E	21I/03	46	11	0	65	9	50
21I/03W	21I/03	46	9	1	65	17	10
21I/03W	21I/03	46	9	54	65	23	59
21I/03W	21I/03	46	9	52	65	29	45
21I/03E	21I/03	46	6	4	65	12	43
21I/03E	21I/03	46	5	7	65	18	49
21I/03W	21I/03	46	4	32	65	25	47
21I/03E	21I/03	46	0	20	65	3	51
21I/04E	21I/04	46	4	29	65	33	56
21I/04E	21I/04	46	5	4	65	38	12
21I/04E	21I/04	46	2	24	65	32	41
21I/04E	21I/04	46	12	50	65	30	15
21I/04E	21I/04	46	10	42	65	36	25
21I/04W	21I/04	46	6	37	65	55	12
21I/04W	21I/04	46	6	40	65	55	12
21I/04W	21I/04	46	6	47	65	55	29
21I/05E	21I/05	46	29	21	65	34	4
21I/05E	21I/05	46	25	35	65	31	17
21I/05E	21I/05	46	25	15	65	40	13
21I/05E	21I/05	46	23	26	65	44	33
21I/05E	21I/05	46	21	27	65	32	26
21I/05E	21I/05	46	21	33	65	40	57
21I/05E	21I/05	46	29	56	65	41	18
21I/05W	21I/05	46	27	1	65	48	59
21I/05E	21I/05	46	16	58	65	32	48
21I/05E	21I/05	46	21	58	65	30	9
21I/05W	21I/05	46	19	24	65	52	28
21I/06E	21I/06	46	29	51	65	8	6
21I/06W	21I/06	46	28	31	65	17	58
21I/06E	21I/06	46	27	20	65	8	19
21I/06E	21I/06	46	28	20	65	12	1
21I/06W	21I/06	46	23	54	65	26	20

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
52.93	113.08	Pictou Group	
24.99	120.7	Pictou Group	
112.20	122.22	Pictou Group, Boss Point Formation	
63.09	122.22	Pictou Group	
29.87	110.95	Pictou Group	
249.94	304.8	Pictou Group and Mabou Group, Pr	
249.94	310.29	Pictou Group and Mabou Group, Pr	
265.18	160.63	Pictou Group and Mabou Group, Pr	
249.94	182.88	Pictou Group and Mabou Group, Pr	
38.10	338.94	Salisbury Formation	
109.76	266.4	Weldon Formation	
74.07	122.22	Pictou Group	6.1
85.04	122.22	Pictou Group	
106.98	122.22	Pictou Group	60.96
84.12	122.22	Pictou Group	
53.95	122.22	Pictou Group	114.3
81.99	122.22	Pictou Group	
110.03	122.22	Pictou Group	
74.98	118.87	Pictou Group, Boss Point Formation	
28.04	89.61	Pictou Group, Pre-Carboniferous Ba	
16.15	66.14	Pictou Group, Pre-Carboniferous Ba	
20.12	122.22	Pictou Group	
32.92	116.13	Pictou Group, Pre-Carboniferous Ba	
61.87	122.22	Pictou Group, Pre-Carboniferous Ba	
46.94	44.2	Pictou Group, Pre-Carboniferous Ba	
92.35	122.22	Pictou Group	
125.58	122.53	Pictou Group	
26.21	45.72	Pictou Group	
22.86	45.72	Pictou Group	
4.57	89.92	Pictou Group, Pre-Carboniferous Ba	
112.17	122.22	Pictou Group	
70.10	122.22	Pictou Group	
91.14	122.22	Pictou Group	74.37
99.97	122.22	Pictou Group	
28.04	122.22	Pictou Group	
78.94	122.22	Pictou Group	54.86
120.70	116.74	Pictou Group	
90.53	121.92	Pictou Group	
68.28	121.92	Pictou Group	18.29
28.05	161.54	Pictou Group	
60.98	305.41	Pictou Group	
17.07	122.22	Pictou Group	
36.88	44.5	Pictou Group	
53.04	122.22	Pictou Group	
45.11	122.22	Pictou Group	
31.09	39.93	Pictou Group	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Titanium	Geochemical log is	-90			Well intersects basem
Titanium	Geochemical log is	-90			Well intersects basem
Titanium	Geochemical log is	-90			Well intersects basem
Titanium	Geochemical log is	-90			Well intersects basem
Water	Log is descriptive a	-90			
Oil and Gas		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal	Basement granodi	-90			Basement rock is gran
Coal		-90			
Coal	Basement slate cut	-90			Basement rocks are sl
Coal	Basement phyllite	-90			Basement rock is phylli
Coal	Basement phyllite	-90			Basement rock is phylli
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal	Basement metase	-90			Basement rock is chlor
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal	See N.B. DNRE R	-90			
Coal	See N.B. DNRE R	-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			

Expected_Depth	Status	Updated	Status_Code	Well_History
0				
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	Abando	10/7/2003	GHDHOA	Oil Show
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Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
461	Pr	153	46.32528	65.01722	1977/08/26	Kent
462	Pr	154	46.34861	65.18667	1977/08/28	Kent
463	Pr	155	46.39083	65.23944	1977/08/27	Kent
464	Pr	170	46.28611	65.03917	1977/08/25	Kent
465	Pr	B19	46.48028	65.46333	1979/06/12	Kent
466	Pr	B22	46.35028	65.34028	1979/08/08	Kent
467	Pr	B23	46.33	65.43	1979/06/06	Kent
468	Pr	B25	46.285	65.22611	1979/08/14	Kent
469	Pr	B26	46.30139	65.33472	1979/08/11	Kent
470	Pr	1139	46.48667	65.26056	1978/02/23	Kent
471	M	Canaan Station 30	46.2525	65.05583	1912/11/08	Kent
472	D'	Coal Branch 1	46.35611	65.15056	1919/05/14	Kent
473	D'	Buctouche 1	46.45194	64.72333	1919/05/XX	Kent
474	Pr	121	46.49889	65.93278	1977/07/18	Kent
475	Pr	134	46.42472	64.65778	1977/07/22	Kent
476	Pr	135	46.40972	64.80806	1977/07/20	Kent
477	Pr	136	46.40444	64.93361	1977/07/19	Kent
478	Pr	149	46.31944	64.56	1977/07/23	Kent
479	Pr	150	46.35417	64.63361	1977/07/23	Kent
480	Pr	151	46.35528	64.78167	1977/07/22	Kent
481	Pr	152	46.34611	64.82139	1977/08/26	Kent
482	Pr	168	46.25111	64.78611	1977/07/27	Westmorland
483	Pr	169	46.25	64.92	1977/07/28	Westmorland
484	Pr	84	46.72889	64.96222	1977/07/13	Kent
485	Pr	94	46.66361	64.78611	1977/07/16	Kent
486	Pr	95	46.70417	64.92167	1977/07/15	Kent
487	Pr	107	46.6075	64.78361	1977/07/17	Kent
488	Pr	108	46.64861	64.88444	1977/07/15	Kent
489	Pr	109	46.605	64.98611	1977/07/15	Kent
490	Pr	120	46.51167	64.77056	1977/07/17	Kent
491	Pr	1094	46.63917	64.87389	1978/02/16	Kent
492	Pr	96	46.66917	65.01222	1977/07/14	Kent
493	Pr	97	46.66083	65.14583	1977/09/06	Kent
494	Pr	98	46.69528	65.38417	1977/09/07	Kent
495	Pr	99	46.67722	65.33306	1977/09/08	Kent
496	Pr	110	46.60444	65.20333	1977/09/06	Kent
497	Pr	111	46.59389	65.30194	1977/09/07	Kent
498	Pr	112	46.6575	65.37194	1977/09/07	Kent
499	Pr	122	46.54694	65.02639	1977/09/05	Kent
500	Pr	124	46.52083	65.28889	1977/09/03	Kent
501	Pr	B14	46.68833	65.48583	1979/06/21	Kent
502	Pr	B16	46.60778	65.41139	1979/06/19	Kent
503	Pr	B18	46.5375	65.43917	1979/06/15	Kent
504	Pr	1109	46.58417	65.07333	1978/02/21	Kent
505	D'	Rogersville 1	46.73778	65.43278	1920/10/05	Northumberla
506	Pr	88	46.76	65.515	1977/09/13	Northumberla

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21I/06E	21I/06	46	19	31	65	1	2
21I/06E	21I/06	46	20	55	65	11	12
21I/06E	21I/06	46	23	27	65	14	22
21I/06E	21I/06	46	17	10	65	2	21
21I/06W	21I/06	46	28	49	65	27	48
21I/06W	21I/06	46	21	1	65	20	25
21I/06W	21I/06	46	19	48	65	25	48
21I/06W	21I/06	46	17	6	65	13	34
21I/06W	21I/06	46	18	5	65	20	5
21I/06W	21I/06	46	29	12	65	15	38
21I/06E	21I/06	46	15	9	65	3	21
21I/06E	21I/06	46	21	22	65	9	2
21I/07E	21I/07	46	27	7	64	43	24
21I/07W	21I/07	46	29	56	65	55	58
21I/07E	21I/07	46	25	29	64	39	28
21I/07W	21I/07	46	24	35	64	48	29
21I/07W	21I/07	46	24	16	64	56	1
21I/07E	21I/07	46	19	10	64	33	36
21I/07E	21I/07	46	21	15	64	38	1
21I/07W	21I/07	46	21	19	64	46	54
21I/07W	21I/07	46	20	46	64	49	17
21I/07W	21I/07	46	15	4	64	47	10
21I/07W	21I/07	46	15	0	64	55	12
21I/10W	21I/10	46	43	44	64	57	44
21I/10W	21I/10	46	39	49	64	47	10
21I/10W	21I/10	46	42	15	64	55	18
21I/10W	21I/10	46	36	27	64	47	1
21I/10W	21I/10	46	38	55	64	53	4
21I/10W	21I/10	46	36	18	64	59	10
21I/10W	21I/10	46	30	42	64	46	14
21I/10W	21I/10	46	38	21	64	52	26
21I/11E	21I/11	46	40	9	65	0	44
21I/11E	21I/11	46	39	39	65	8	45
21I/11E	21I/11	46	41	43	65	23	3
21I/11E	21I/11	46	40	38	65	19	59
21I/11E	21I/11	46	36	16	65	12	12
21I/11E	21I/11	46	35	38	65	18	7
21I/11E	21I/11	46	39	27	65	22	19
21I/11E	21I/11	46	32	49	65	1	35
21I/11W	21I/11	46	31	15	65	17	20
21I/11W	21I/11	46	41	18	65	29	9
21I/11W	21I/11	46	36	28	65	24	41
21I/11W	21I/11	46	32	15	65	26	21
21I/11E	21I/11	46	35	3	65	4	24
21I/11W	21I/11	46	44	16	65	25	58
21I/12E	21I/12	46	45	36	65	30	54

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
89.00	122.22	Pictou Group	
78.94	122.22	Pictou Group	86.56
81.99	122.22	Pictou Group	88.7
64.92	108.51	Pictou Group	
91.44	112.78	Pictou Group	
79.55	121.92	Pictou Group	89
65.23	121.92	Pictou Group	75.9
100.58	112.17	Pictou Group	
92.66	115.82	Pictou Group	78.03
46.94	305.1	Pictou Group	
76.20	374.9	Scoudouc Formation, Salisbury For	
60.96	757.43	Pictou Group, Pre-Carboniferous Ba	86.87
19.81	742.19	Pictou Group	231.65
14.02	85.34	Pictou Group	
20.12	122.22	Pictou Group	
49.99	119.18	Pictou Group	
60.96	122.22	Pictou Group	118.26
20.12	122.22	Pictou Group	117.35
18.90	126.8	Pictou Group	120.4
59.13	122.22	Pictou Group	
66.14	122.22	Pictou Group	100.89
91.14	122.22	Pictou Group	
92.05	122.22	Pictou Group	76.2
20.12	122.22	Pictou Group	
10.97	122.22	Pictou Group	
9.14	122.22	Pictou Group	
29.87	122.22	Pictou Group	
10.97	122.22	Pictou Group	
21.03	122.22	Pictou Group	
42.98	122.22	Pictou Group	
9.15	304.8	Pictou Group	248.11
25.91	122.22	Pictou Group	9.14
41.15	122.22	Pictou Group	
91.14	122.22	Pictou Group	
81.08	121.01	Pictou Group	
56.08	122.22	Pictou Group	24.38
86.87	122.22	Pictou Group	
85.04	122.22	Pictou Group	
10.06	122.22	Pictou Group	
70.10	122.22	Pictou Group	
85.34	122.22	Pictou Group	
91.44	122.22	Pictou Group	
103.63	121.92	Pictou Group	
29.88	305.1	Pictou Group	217.32
83.82	1100.33	Richibucto Formation, Scoudouc Fo	
60.96	122.22	Pictou Group	91.44

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
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Coal		-90			
Coal		-90			
Coal	See N.B. DNRE R	-90			
Oil and Gas	Basement is granit	-90			Basement is granite at
Oil and Gas	Basement granodi	-90			
Oil and Gas		-90			
Coal		-90			
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Coal		-90			
Coal		-90			
Coal	See N.B. DNRE R	-90			
Coal		-90			
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Coal		-90			
Coal		-90			
Coal		-90			
Coal	See N.B. DNRE R	-90			
Oil and Gas	Basement metase	-90			Basement metasedime
Coal		-90			

Expected_Depth	Status	Updated	Status_Code	Well_History
0				
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	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
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	Abando	10/7/2003	GHDHA	Dry
0				

Unique_I	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
507	Pr	89	46.76306	65.5975	1977/09/13	Northumberla
508	Pr	100	46.64722	65.54278	1977/09/14	Kent
509	Pr	101	46.65528	65.625	1977/09/30	Northumberla
510	Pr	102	46.71194	64.84556	1977/10/05	Northumberla
511	Pr	103	46.70472	64.9075	1977/10/09	Northumberla
512	Pr	113	46.56778	65.64833	1977/10/01	Kent
513	Pr	114	46.59944	65.64833	1977/10/01	Northumberla
514	Pr	115	46.60361	65.70806	1977/10/05	Northumberla
515	Pr	116	46.62111	65.94722	1977/10/26	Northumberla
516	Pr	127	46.54139	65.70972	1977/10/03	Northumberla
517	Pr	128	46.50278	65.77806	1977/10/04	Northumberla
518	Pr	129	46.54528	65.9175	1977/10/25	Northumberla
519	Pr	B13	46.73556	65.74222	1979/06/28	Northumberla
520	Pr	B15	46.65361	65.74	1979/07/01	Northumberla
521	Pr	B17	46.57056	65.83833	1979/07/08	Northumberla
522	Pr	1116	46.66917	65.84972	1978/01/29	Northumberla
523	Pr	70	46.94833	65.50306	1977/09/12	Northumberla
524	Pr	72	46.94111	65.79778	1977/06/01	Northumberla
525	Pr	73	46.9625	65.84389	1977/06/02	Northumberla
526	Pr	78	46.8825	65.535	1977/09/11	Northumberla
527	Pr	79	46.89694	65.62083	1977/09/12	Northumberla
528	Pr	80	46.85444	65.79556	1977/10/22	Northumberla
529	Pr	81	46.83	65.95972	1977/10/22	Northumberla
530	Pr	90	46.77472	65.76417	1977/10/21	Northumberla
531	Pr	91	46.77778	65.865	1977/10/24	Northumberla
532	Pr	B11	46.80056	65.55111	1979/06/24	Northumberla
533	Pr	B12	46.81861	65.68639	1979/06/25	Northumberla
534	Pr	67	46.97889	65.11083	1977/06/24	Northumberla
535	Pr	68	46.94444	65.27833	1977/07/10	Northumberla
536	Pr	69	46.94889	65.39917	1977/07/07	Northumberla
537	Pr	74	46.78778	65.05222	1977/07/12	Kent
538	Pr	75	46.85889	65.13306	1977/07/11	Kent
539	Pr	76	46.87833	65.22972	1977/07/11	Northumberla
540	Pr	77	46.83111	65.40083	1977/09/10	Northumberla
541	Pr	85	46.77194	65.17194	1977/07/13	Kent
542	Pr	86	46.75167	65.32889	1977/09/09	Kent
543	Pr	87	46.75694	65.41972	1977/09/09	Northumberla
544	Pr	65	46.93611	65.90639	1977/07/10	Kent
545	Pr	205	46.1275	66.46306	1977/12/08	York
546	Pr	1246	46.00472	66.29472	1978/03/01	Sunbury
547	Pr	B37	46.23083	66.37361	1979/07/17	York
548	Pr	B38	46.04833	66.35556	1979/07/26	York
549	Pr	M4	46.13917	66.03583	1977/01/22	Sunbury
550	Pr	M5	46.12472	66.00722	1977/01/24	Queens
551	Pr	M6	46.12444	66.00667	1977/01/26	Queens
552	Pr	M7	46.03667	66.22861	1977/01/27	Sunbury

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21I/12E	21I/12	46	45	47	65	35	51
21I/12E	21I/12	46	38	50	65	32	34
21I/12E	21I/12	46	39	19	65	37	30
21I/12W	21I/12	46	42	43	64	50	44
21I/12W	21I/12	46	42	17	64	54	27
21I/12E	21I/12	46	34	4	65	38	54
21I/12E	21I/12	46	35	58	65	38	54
21I/12E	21I/12	46	36	13	65	42	29
21I/12W	21I/12	46	37	16	65	56	50
21I/12E	21I/12	46	32	29	65	42	35
21I/12W	21I/12	46	30	10	65	46	41
21I/12W	21I/12	46	32	43	65	55	3
21I/12E	21I/12	46	44	8	65	44	32
21I/12E	21I/12	46	39	13	65	44	24
21I/12W	21I/12	46	34	14	65	50	18
21I/12W	21I/12	46	40	9	65	50	59
21I/13E	21I/13	46	56	54	65	30	11
21I/13W	21I/13	46	56	28	65	47	52
21I/13W	21I/13	46	57	45	65	50	38
21I/13E	21I/13	46	52	57	65	32	6
21I/13E	21I/13	46	53	49	65	37	15
21I/13W	21I/13	46	51	16	65	47	44
21I/13W	21I/13	46	49	48	65	57	35
21I/13W	21I/13	46	46	29	65	45	51
21I/13W	21I/13	46	46	40	65	51	54
21I/13E	21I/13	46	48	2	65	33	4
21I/13E	21I/13	46	49	7	65	41	11
21I/14E	21I/14	46	58	44	65	6	39
21I/14W	21I/14	46	56	40	65	16	42
21I/14W	21I/14	46	56	56	65	23	57
21I/14E	21I/14	46	47	16	65	3	8
21I/14E	21I/14	46	51	32	65	7	59
21I/14E	21I/14	46	52	42	65	13	47
21I/14W	21I/14	46	49	52	65	24	3
21I/14E	21I/14	46	46	19	65	10	19
21I/14W	21I/14	46	45	6	65	19	44
21I/14W	21I/14	46	45	25	65	25	11
21I/15E	21I/15	46	56	10	65	54	23
21J/01W	21J/01	46	7	39	66	27	47
21J/01W	21J/01	46	0	17	66	17	41
21J/01W	21J/01	46	13	51	66	22	25
21J/01W	21J/01	46	2	54	66	21	20
21J/01E	21J/01	46	8	21	66	2	9
21J/01E	21J/01	46	7	29	66	0	26
21J/01E	21J/01	46	7	28	66	0	24
21J/01E	21J/01	46	2	12	66	13	43

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
59.13	117.65	Pictou Group	
89.92	122.22	Pictou Group	54.86
74.07	123.44	Pictou Group	
60.96	122.22	Pictou Group	45.72
45.72	122.22	Pictou Group	103.63
60.05	120.7	Pictou Group, Mabou Group	91.44
80.16	122.22	Pictou Group	
52.12	122.22	Pictou Group	112.78
100.58	122.22	Pictou Group	45.72
80.16	121.62	Pictou Group	
74.98	122.22	Pictou Group	118.87
79.25	122.22	Pictou Group	39.62
68.28	121.01	Pictou Group	
45.72	121.92	Pictou Group	
91.44	121.92	Pictou Group	
54.86	305.1	Pictou Group	
38.10	122.22	Pictou Group	109.73
16.46	122.22	Pictou Group	60.96
14.02	117.65	Clifton Formation, Bathurst Formatio	
23.77	118.87	Pictou Group	114.3
20.12	122.22	Pictou Group	
49.99	122.22	Pictou Group	33.53
30.48	81.08	Pictou Group	
38.10	122.22	Pictou Group	39.62
83.21	122.22	Pictou Group	
42.37	27.43	Pictou Group	
51.21	118.87	Pictou Group	
19.98	122.22	Pictou Group	57.91
28.96	122.22	Pictou Group	
49.07	122.22	Pictou Group	60.96
18.90	122.22	Pictou Group	
57.91	122.22	Pictou Group	6.1
39.93	122.22	Pictou Group	
46.02	122.22	Pictou Group	51.82
42.06	122.22	Pictou Group	
100.89	122.22	Pictou Group	
81.08	122.22	Pictou Group	82.3
10.97	122.22	Pictou Group	
175.26	122.22	Pictou Group	
76.20	298.7	Pictou Group	
134.72	121.62	Pictou Group	
110.64	121.92	Pictou Group	
76.20	91.74	Pictou Group, Boss Point Formation	
41.15	42.67	Pictou Group	
41.45	42.67	Pictou Group	
49.99	117.65	Pictou Group	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Coal		-90			
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Coal		-90			
Coal	See N.B. DNRE R	-90			
Coal		-90			
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Coal	See N.B. DNRE R	-90			
Coal		-90			
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Coal		-90			

Expected_Depth	Status	Updated	Status_Code	Well_History
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Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
553	Ki	Killarney 3	46.02167	66.58	1961/XX/XX	York
554	Pr	181	46.20667	66.51111	1977/11/25	York
555	Pr	206	46.13722	66.53722	1977/12/08	York
556	Pr	207	46.20056	66.65694	1977/11/27	York
557	Pr	208	46.16694	66.79167	1977/12/03	York
558	Pr	225	46.05222	66.49889	1978/06/05	York
559	Pr	226	46.08833	66.59806	1977/12/10	York
560	Pr	227	46.13028	66.71833	1977/12/05	York
561	Pr	228	46.11194	66.8225	1977/12/04	York
562	Pr	248	46.03083	66.57194	1978/06/04	York
563	Pr	165	46.34222	66.56861	1977/11/24	York
564	Pr	182	46.26806	66.55278	1977/11/25	York
565	Pr	183	46.25306	66.69056	1977/11/28	York
566	Pr	1182	46.2675	66.59889	1978/01/24	York
567	Pr	133	46.45472	66.47528	1977/11/22	York
568	Pr	144	46.45722	66.00889	1977/11/16	Northumberla
569	Pr	145	46.44306	66.04556	1977/11/15	Northumberla
570	Pr	146	46.42611	66.19361	1977/11/18	Northumberla
571	Pr	147	46.42083	66.33611	1977/11/21	York
572	Pr	148	46.42556	66.45278	1977/11/23	Northumberla
573	Pr	163	46.36722	66.3275	1977/11/19	York
574	Pr	164	46.36278	66.43694	1977/11/21	York
575	Pr	B34	46.27083	66.27778	1979/07/12	York
576	Pr	B35	46.2675	66.45889	1979/07/21	York
577	Pr	104	46.69528	66.0275	1977/10/14	Northumberla
578	Pr	105	46.70611	66.15278	1977/10/15	Northumberla
579	Pr	106	46.65083	66.3225	1977/11/13	Northumberla
580	Pr	117	46.58028	66.07694	1977/10/27	Northumberla
581	Pr	118	46.60111	66.17028	1977/10/28	Northumberla
582	Pr	119	46.605	66.31972	1977/11/12	Northumberla
583	Pr	130	46.52028	66.02361	1977/11/14	Northumberla
584	Pr	131	46.50333	66.15417	1977/11/17	Northumberla
585	Pr	132	46.535	66.275	1977/11/14	Northumberla
586	Pr	82	46.86944	66.0275	1977/10/23	Northumberla
587	Pr	92	46.75556	66.05389	1977/10/14	Northumberla
588	Pr	93	46.79556	66.18028	1977/10/24	Northumberla
589	Pr	57	47.06028	65.90222	1977/07/09	Northumberla
590	Pr	47	47.16361	65.31417	1977/06/21	Northumberla
591	Pr	48	47.20611	65.435	1977/06/15	Northumberla
592	Pr	52	47.13694	65.2875	1977/06/20	Northumberla
593	Pr	53	47.09722	65.35778	1977/03/13	Northumberla
594	Pr	54	47.14333	65.43833	1977/06/14	Northumberla
595	Pr	58	47.06889	65.02528	1977/06/25	Northumberla
596	Pr	59	47.03056	65.15333	1977/06/23	Northumberla
597	Pr	60	47.07083	65.25028	1977/06/23	Northumberla
598	Pr	61	47.00333	65.49	1977/06/22	Northumberla

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21J/02E	21J/02	46	1	18	66	34	48
21J/02E	21J/02	46	12	24	66	30	40
21J/02E	21J/02	46	8	14	66	32	14
21J/02E	21J/02	46	12	2	66	39	25
21J/02W	21J/02	46	10	1	66	47	30
21J/02E	21J/02	46	3	8	66	29	56
21J/02E	21J/02	46	5	18	66	35	53
21J/02E	21J/02	46	7	49	66	43	6
21J/02W	21J/02	46	6	43	66	49	21
21J/02E	21J/02	46	1	51	66	34	19
21J/07E	21J/07	46	20	32	66	34	7
21J/07E	21J/07	46	16	5	66	33	10
21J/07E	21J/07	46	15	11	66	41	26
21J/07E	21J/07	46	16	3	66	35	56
21J/08W	21J/08	46	27	17	66	28	31
21J/08E	21J/08	46	27	26	66	0	32
21J/08E	21J/08	46	26	35	66	2	44
21J/08E	21J/08	46	25	34	66	11	37
21J/08W	21J/08	46	25	15	66	20	10
21J/08W	21J/08	46	25	32	66	27	10
21J/08W	21J/08	46	22	2	66	19	39
21J/08W	21J/08	46	21	46	66	26	13
21J/08W	21J/08	46	16	15	66	16	40
21J/08W	21J/08	46	16	3	66	27	32
21J/09E	21J/09	46	41	43	66	1	39
21J/09E	21J/09	46	42	22	66	9	10
21J/09W	21J/09	46	39	3	66	19	21
21J/09E	21J/09	46	34	49	66	4	37
21J/09E	21J/09	46	36	4	66	10	13
21J/09W	21J/09	46	36	18	66	19	11
21J/09E	21J/09	46	31	13	66	1	25
21J/09E	21J/09	46	30	12	66	9	15
21J/09W	21J/09	46	32	6	66	16	30
21J/16E	21J/16	46	52	10	66	1	39
21J/16E	21J/16	46	45	20	66	3	14
21J/16E	21J/16	46	47	44	66	10	49
21P/02W	21P/02	47	3	37	65	54	8
21P/03W	21P/03	47	9	49	65	18	51
21P/03W	21P/03	47	12	22	65	26	6
21P/03W	21P/03	47	8	13	65	17	15
21P/03W	21P/03	47	5	50	65	21	28
21P/03W	21P/03	47	8	36	65	26	18
21P/03E	21P/03	47	4	8	65	1	31
21P/03E	21P/03	47	1	50	65	9	12
21P/03E	21P/03	47	4	15	65	15	1
21P/03W	21P/03	47	0	12	65	29	24

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
65.24	1050	Cumberland Group, Boss Point For	
176.78	122.22	Pictou Group	97.54
143.26	122.22	Pictou Group	106.07
91.44	122.22	Pictou Group	36.58
236.22	122.22	Pictou Group	12.19
91.44	122.22	Pictou Group	57.91
45.72	108.81	Pictou Group	
188.98	122.22	Pictou Group	
236.22	122.22	Pictou Group	16.15
15.24	122.22	Pictou Group	
173.74	122.22	Pictou Group, Mabou Group	12.19
137.16	115.82	Pictou Group	36.58
188.98	122.22	Pictou Group	36.58
161.6	305.1	Cumberland	9.75
131.98	122.22	Pictou Group	
82.30	122.22	Pictou Group	35.66
103.63	122.22	Pictou Group	88.39
153.92	122.22	Pictou Group	45.72
137.16	122.22	Pictou Group	15.24
158.50	108.51	Pictou Group	73.15
143.26	122.22	Pictou Group	54.86
164.59	122.22	Pictou Group, Mabou Group	27.43
130.76	100.89	Pictou Group	
152.40	117.35	Pictou Group	
123.44	122.22	Pictou Group	21.34
96.01	122.22	Pictou Group	21.34
170.69	122.22	Pictou Group	
97.54	122.22	Pictou Group	91.44
115.82	122.22	Pictou Group	
167.64	122.22	Pictou Group	27.43
94.49	122.22	Pictou Group	
138.68	122.22	Pictou Group	
132.59	122.22	Pictou Group	30.48
76.20	40.84	Pictou Group	45.72
91.44	122.22	Pictou Group	
91.44	29.57	-	
20.12	122.22	Pictou Group	
50.60	122.22	Pictou Group	15.24
52.73	122.22	Pictou Group	91.44
17.68	122.22	Pictou Group	9.14
19.20	122.22	Pictou Group	76.2
86.87	122.22	Pictou Group	54.86
4.88	122.22	Pictou Group	
3.05	122.22	Pictou Group	
7.01	122.22	Pictou Group	91.44
28.96	122.22	Pictou Group	12.19

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Oil and Gas		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
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Coal		-90			
Coal		-90			
Coal		-90			
Coal	See N.B. DNRE R	-90			0 - 274.4m polymictic c
Coal		-90			
Coal		-90			
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Coal		-90			
Coal		-90			
Coal		-90			

Expected_Depth	Status	Updated	Status_Code	Well_History
	Abando	10/7/2003	GHDHA	Dry
0				
0				
0				
0				
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Unique_	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
599	Pr	66	47.00278	65.01306	1977/07/08	Northumberla
600	H	Bartibog 1	47.21278	65.40139	1967/08/06	Northumberla
601	Pr	49	47.20917	65.53333	1977/06/13	Northumberla
602	Pr	50	47.22278	65.58861	1977/06/12	Northumberla
603	Pr	55	47.13028	65.65167	1977/06/11	Northumberla
604	Pr	62	47.06056	65.50972	1977/06/13	Northumberla
605	Pr	63	47.06722	65.65111	1977/06/03	Northumberla
606	Pr	64	47.02444	65.75056	1977/06/02	Northumberla
607	Pr	1056	47.11611	65.77972	1977/06/04	Northumberla
608	At	Newcastle 1	47.03111	65.56889	1985/07/12	Northumberla
609	Pr	39	47.41167	65.58667	1977/06/17	Gloucester
610	Pr	32	47.46167	65.48528	1977/03/05	Gloucester
611	Pr	35	47.40056	65.16417	1977/06/18	Gloucester
612	Pr	36	47.40111	65.27111	1977/06/19	Gloucester
613	Pr	38	47.40167	65.45167	1977/03/08	Gloucester
614	Pr	41	47.31528	65.11472	1977/06/19	Northumberla
615	Pr	42	47.29389	65.25917	1977/03/09	Northumberla
616	Pr	43	47.33306	65.43028	1977/03/09	Gloucester
617	Pr	44	47.26222	65.40278	1977/06/16	Gloucester
618	Pr	1046	47.25389	65.08806	1977/03/10	Northumberla
619	Pr	28	47.47056	64.96806	1977/03/03	Gloucester
620	Pr	34	47.40722	64.98639	1977/03/13	Northumberla
621	Pr	40	47.32694	64.97944	1977/03/12	Gloucester
622	Pr	14	47.6725	64.85694	1977/02/26	Gloucester
623	Pr	15	47.66417	64.98806	1977/02/25	Gloucester
624	Pr	21	47.57722	64.92444	1977/03/01	Gloucester
625	Pr	22	47.56917	64.95917	1977/03/01	Gloucester
626	H	Blanchard 1	47.71333	64.89556	1967/07/16	Gloucester
627	H	St. Isodore 1	47.54472	65.05806	1967/06/29	Gloucester
628	H	Bois Gagnon 1	47.52667	65.16056	1967/08/29	Gloucester
629	Jo	Canobie C-1	47.67694	65.33917	1985/XX/XX	Gloucester
630	Jo	Canobie C-2	47.68111	65.35889	1985/XX/XX	Gloucester
631	Jo	Canobie C-4	47.67722	65.33917	1985/XX/XX	Gloucester
632	Pr	12	47.7475	65.235	1977/02/08	Gloucester
633	Pr	16	47.67833	65.12667	1977/02/13	Gloucester
634	Pr	17	47.665	65.19583	1977/02/12	Gloucester
635	Pr	18	47.66611	65.38083	1977/02/07	Gloucester
636	Pr	19	47.6875	65.43556	1977/02/06	Gloucester
637	Pr	23	47.56667	65.10472	1977/03/02	Gloucester
638	Pr	24	47.62417	65.30222	1977/02/24	Gloucester
639	Pr	25	47.57417	65.40167	1977/06/18	Gloucester
640	Pr	26	47.56278	65.49861	1977/06/17	Gloucester
641	Pr	29	47.51222	65.11611	1977/03/03	Gloucester
642	Pr	30	47.51806	65.20306	1977/03/04	Gloucester
643	Pr	31	47.52944	65.31278	1977/03/05	Gloucester
644	Pr	7	47.80694	65.21611	1977/02/08	Gloucester

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21P/03E	21P/03	47	0	10	65	0	47
21P/03W	21P/03	47	12	46	65	24	5
21P/04E	21P/04	47	12	33	65	32	0
21P/04E	21P/04	47	13	22	65	35	19
21P/04E	21P/04	47	7	49	65	39	6
21P/04E	21P/04	47	3	38	65	30	35
21P/04E	21P/04	47	4	2	65	39	4
21P/04W	21P/04	47	1	28	65	45	2
21P/04W	21P/04	47	6	58	65	46	47
21P/04E	21P/04	47	1	52	65	34	8
21P/05E	21P/05	47	24	42	65	35	12
21P/06W	21P/06	47	27	42	65	29	7
21P/06E	21P/06	47	24	2	65	9	51
21P/06W	21P/06	47	24	4	65	16	16
21P/06W	21P/06	47	24	6	65	27	6
21P/06E	21P/06	47	18	55	65	6	53
21P/06W	21P/06	47	17	38	65	15	33
21P/06W	21P/06	47	19	59	65	25	49
21P/06W	21P/06	47	15	44	65	24	10
21P/06E	21P/06	47	15	14	65	5	17
21P/07W	21P/07	47	28	14	64	58	5
21P/07W	21P/07	47	24	26	64	59	11
21P/07W	21P/07	47	19	37	64	58	46
21P/10W	21P/10	47	40	21	64	51	25
21P/10W	21P/10	47	39	51	64	59	17
21P/10W	21P/10	47	34	38	64	55	28
21P/10W	21P/10	47	34	9	64	57	33
21P/10W	21P/10	47	42	48	64	53	44
21P/11E	21P/11	47	32	41	65	3	29
21P/11E	21P/11	47	31	36	65	9	38
21P/11W	21P/11	47	40	37	65	20	21
21P/11W	21P/11	47	40	52	65	21	32
21P/11W	21P/11	47	40	38	65	20	21
21P/11E	21P/11	47	44	51	65	14	6
21P/11E	21P/11	47	40	42	65	7	36
21P/11E	21P/11	47	39	54	65	11	45
21P/11W	21P/11	47	39	58	65	22	51
21P/11W	21P/11	47	41	15	65	26	8
21P/11E	21P/11	47	34	0	65	6	17
21P/11W	21P/11	47	37	27	65	18	8
21P/11W	21P/11	47	34	27	65	24	6
21P/11W	21P/11	47	33	46	65	29	55
21P/11E	21P/11	47	30	44	65	6	58
21P/11E	21P/11	47	31	5	65	12	11
21P/11W	21P/11	47	31	46	65	18	46
21P/14E	21P/14	47	48	25	65	12	58

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
14.94	122.22	Pictou Group	3.05
89.00	690.68	Bathurst Formation, Pictou Formatio	
107.29	140.51	Pictou Group	124.97
135.94	122.22	Pictou Group	118.87
117.04	122.22	Pictou Group	91.44
95.71	122.22	Pictou Group	57.91
95.40	121.92	Pictou Group	
99.06	122.22	Pictou Group	
92.05	250.24	Clifton Formation - Member A, and	
68.58	1039.98	Clifton Formation, Bathurst Formatio	
138.07	122.22	Pictou Group	
170.69	122.22	Pictou Group	48.77
63.40	122.22	Pictou Group	
72.85	122.22	Pictou Group	
156.06	122.22	Pictou Group	12.19
35.05	122.22	Pictou Group	
74.37	122.22	Pictou Group	85.34
125.27	112.78	Pictou Group	
92.66	122.22	Pictou Group	33.53
48.46	204.52	Pictou Group	189.28
19.51	122.22	Pictou Group	
9.45	122.22	Pictou Group	15.24
1.83	122.22	Pictou Group	79.25
8.84	98.15	Pictou Group	
3.96	99.06	Pictou Group	
14.63	122.22	Pictou Group	51.82
24.38	103.94	Pictou Group	
20.73	719.33	Clifton Fm.	
62.48	741.5	Clifton Fm.	
73.76	649.83	Clifton Fm., Pre-Carboniferous Base	
51.83	398.68	Clifton Fm.	
57.93	313.64	Clifton Fm.	
51.83	733.65	Clifton Fm., Bathurst Formation, Pre	
46.33	121.92	Clifton Fm.	18.29
50.60	122.22	Pictou Group	
61.57	122.22	Pictou Group	42.67
61.87	128.02	Clifton Fm.	
19.81	121.92	Pictou Group	19.81
61.87	122.22	Pictou Group	100.58
82.91	122.22	Pictou Group	36.58
109.12	122.22	Pictou Group	
117.65	122.22	Pictou Group	
69.49	122.22	Pictou Group	33.53
70.41	122.22	Pictou Group	109.73
105.77	122.22	Pictou Group	48.77
11.58	121.92	Pictou Group	24.38

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Coal		-90			
Oil and Gas	Basement metase	-90	90.53		Basement is metasedi
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal	See N.B. DNRE R	-90			
Stratigraphi	Basement mafic vo	-90			Formations interpreted
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal	See NB DNRE Re	-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Oil and Gas	Formations interpr	-90	22.25		Formations interpreted
Oil and Gas		-90	64.01		
Oil and Gas	Basement granite(	-90	75.29		Basement is granite.
Base Metals	Core Discarded!	-90			
Base Metals	Core Discarded!	-90			
Base Metals	Basement mafic vo	-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
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Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			

Expected_Depth	Status	Updated	Status_Code	Well_History
0				
0	Abando	10/7/2003	GHDHA	Dry
0				
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0	Abando	10/7/2003	GHDHA	Dry
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0	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
	Abando	10/7/2003	GHDHA	Dry
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Unique_I	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
645	Pr	13	47.75111	65.33278	1977/02/07	Gloucester
646	Pr	2	47.82417	64.59917	1977/02/26	Gloucester
647	Pr	3	47.78667	64.63778	1978/02/27	Gloucester
648	Pr	4	47.79028	64.83861	1977/02/09	Gloucester
649	Pr	8	47.75556	64.72806	1977/02/28	Gloucester
650	Pr	9	47.78583	64.89528	1977/02/11	Gloucester
651	Pr	10	47.77028	64.92639	1977/02/11	Gloucester
652	C	Albert Mines 3	45.8875	64.68778	1976/08/01	Albert
653	At	Atlantic Orebodies 2	46.88861	65.85	1988/08/26	Northumberla
654	At	Atlantic Orebodies 3	46.83333	65.98333	1988/12/04	Northumberla
655	G	Dieppe 1	46.09167	64.75611	1961/06/XX	Westmorland
656	G	Dorchester Crossing 1	46.16833	64.54333	1962/08/XX	Westmorland
657	G	Fox Creek 1	46.07111	64.67722	1962/07/XX	Westmorland
658	G	Jonathan Creek 1	46.09694	64.86944	1961/06/XX	Westmorland
659	G	Lakeville 1	46.15944	64.67778	1962/07/XX	Westmorland
660	G	Mill Creek 1	46.04722	64.78833	1961/XX/XX	Albert
661	G	Irishtown 1	46.19	64.77944	1962/08/XX	Westmorland
662	G	Irishtown 2	46.19	64.77944	1962/08/XX	Westmorland
663	G	Shediac Test Well 1	46.21333	64.5475	1962/08/XX	Westmorland
664	G	Shediac Test Well 2	46.21333	64.5475	1962/08/XX	Westmorland
665	G	Shediac Town Well 1	46.21917	64.53472	1962/XX/XX	Westmorland
666	G	Steeves Mountain 1	46.10194	64.99833	1962/08/XX	Westmorland
667	G	New Brunswick Cold Storage	45.2775	66.06778	1952/XX/XX	Saint John
668	In	Zellers Bathurst Well	47.61667	65.64472	1958/07/XX	Gloucester
669	R	RHT Lakeside 1	46.16972	64.69306	1993/05/17	Albert
670	R	RHT Lakeside 2	46.16444	64.68861	1994/05/19	Albert
671	Pr	71	46.97083	65.68583	1977/05/31	Northumberla
672	Ly	Beersville Coal Branch CB-75-3	46.40472	65.12861	1975/03/20	Kent
673	Ly	Beersville Coal Branch CB-75-5	46.41417	65.10278	197503/07	Kent
674	Ly	Beersville Coal Branch CB-75-8	46.35194	65.17056	1975/03/24	Kent
675	Ly	Beersville Coal Branch CB-75-2	46.4675	65.10056	1975/02/04	Kent
676	Ly	Beersville Coal Branch CB-75-2	46.48167	65.03972	1975/02/18	Kent
677	Ly	Beersville Coal Branch CB-75-2	46.33	65.23194	1975/03/13	Kent
678	Ly	Beersville Coal Branch CB-75-2	46.42083	65.20528	1975/05/13	Kent
679	Ly	Beersville Coal Branch CB-75-2	46.40306	65.25	1975/05/14	Kent
680	Ly	Beersville Coal Branch CB-75-2	46.38722	65.21278	1975/05/30	Kent
681	Ly	Beersville Coal Branch CB-75-4	46.42028	65.05917	1975/08/22	Kent
682	N	Lower Coverdale LC 94-1	46.05222	64.73	1994/05/25	Albert
683	N	Lower Coverdale LC 95-1	46.04778	64.71444	1995/11/22	Albert
684	N	Lower Coverdale LC 95-2	46.05861	64.74611	1995/12/05	Albert
685	N	Lower Coverdale LC-95-3	46.03444	64.08028	1995/01/01	Albert
686	Je	Notre Dame de Lourdes 1	47.2475	67.81833	2001/10/05	Madawaska
687	M	Steeves Mills 2	45.93694	64.80583	1997/09/08	Albert
688	M	Steeves Mills 4	45.94611	64.795	1997/10/14	Albert
689	M	MariCo Downey 1	45.91972	64.72	1998/02/27	Albert
690	Br	Millstream Pilot Hole 1	45.71167	65.62111	1984/06/10	Kings

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21P/14W	21P/14	47	45	4	65	19	58
21P/15E	21P/15	47	49	27	64	35	57
21P/15E	21P/15	47	47	12	64	38	16
21P/15E	21P/15	47	47	25	64	50	19
21P/15E	21P/15	47	45	20	64	43	41
21P/15W	21P/15	47	47	9	64	53	43
21P/15W	21P/15	47	46	13	64	55	35
21H/15E	21H/15	45	53	15	64	41	16
21I/13W	21I/13	46	53	19	65	51	0
21I/13W	21I/13	46	50	0	65	59	0
21I/02E	21I/02	46	5	30	64	45	22
21I/02E	21I/02	46	10	6	64	32	36
21I/02E	21I/02	46	4	16	64	40	38
21I/02W	21I/02	46	5	49	64	52	10
21I/02E	21I/02	46	9	34	64	40	40
21I/02W	21I/02	46	2	50	64	47	18
21I/02W	21I/02	46	11	24	64	46	46
21I/02W	21I/02	46	11	24	64	46	46
21I/02E	21I/02	46	12	48	64	32	51
21I/02E	21I/02	46	12	48	64	32	51
21I/02E	21I/02	46	13	9	64	32	5
21I/02W	21I/02	46	6	7	64	59	54
21G/08E	21G/08	45	16	39	66	4	4
21P/12E	21P/12	47	37	0	65	38	41
21I/02E	21I/02	46	10	11	64	41	35
21I/02E	21I/02	46	9	52	64	41	19
21I/13E	21I/13	46	58	15	65	41	9
21I/06E	21I/06	46	24	17	65	7	43
21I/06E	21I/06	46	24	51	65	6	10
21I/06E	21I/06	46	21	7	65	10	14
21I/06E	21I/06	46	28	3	65	6	2
21I/06E	21I/06	46	28	54	65	2	23
21I/06E	21I/06	46	19	48	65	13	55
21I/06E	21I/06	46	25	15	65	12	19
21I/06E	21I/06	46	24	11	65	15	0
21I/06E	21I/06	46	23	14	65	12	46
21I/06E	21I/06	46	25	13	65	3	33
21I/02	21I/02	46	3	8	64	43	48
21I/02	21I/02	46	2	52	64	42	52
21I/02	21I/02	46	3	31	64	44	46
21I/02	21I/02	46	2	4	64	4	49
21O/04	21O/04	47	14	51	67	49	6
21H/15	21H/15	45	56	13	64	48	21
21H/15	21H/15	45	56	46	64	47	42
21H/15	21H/15	45	55	11	64	43	12
21H/12E	21H/12	45	42	42	65	37	16

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
39.62	121.92	Clifton Fm.	
20.73	122.22	Pictou Group	79.25
3.35	122.22	Pictou Group	
10.67	126.8	Pictou Group	4.57
0.91	122.22	Pictou Group	103.63
19.51	115.82	Pictou Group	
18.90	121.92	Pictou Group	
73.17	81.69	Weldon Formation	
82.30	599.24	Pictou Group, Bathurst Formation, P	
60.90	516.64	Pictou Group, Bathurst Formation, P	
1.22	59.44	Salisbury Formation	
31.09	85.96	Richibucto Formation	
50.90	79.25	Boss Point	
38.71	121.92	Salisbury Formation	
57.61	55.17	Richibucto Formation	
	76.22	Salisbury Formation	
64.62	53.64	Richibucto Formation	
64.62	18.29	Richibucto Formation	
18.90	18.29	Richibucto Formation	
13.41	20.12	Richibucto Formation	
18.90	139.45	Richibucto Formation	
93.57	17.37	Weldon Formation	
10 (est.)	284.68	Glen Falls Formation, Ratcliffe Broo	
4.57	118.26	Bathurst Formation, Pabineau Grani	
40	289.33	Richibucto Formation, Salisbury For	
31.5	1500	Richibucto Formation, Salisbury For	
33.83	122.22	Pictou Group	70.1
72 (est.)	36.37	Pictou Group	
65 (est.)	37.19	Pictou Group	
73 (est.)	45.72	Pictou Group	
53 (est.)	46.05	Pictou Group	
52 (est.)	36.58	Pictou Group	
97 (est.)	37.8	Pictou Group	
64.86	45.43	Pictou Group	
74 (est.)	45.72	Pictou Group	
92 (est.)	36.58	Pictou Group	
51.51	40.54	Pictou Group	
15	1206.4	?	
?	499.1	?	
?	577.6	?	
?	437.9	?	
276	199.4	Matapedia Gp.	
161.13	1310	Boss Point Formation, Hopewell Ca	
158.58	1600	Boss Point Formation, Hopewell Ca	
61.92	2014.2	Hillsborough Fm., Weldon Fm., Boy	
55.95	1209.8	Mabou Group, Clover Hill Formation	

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Coal		-90			
Oil Shale		-90			
Stratigraphi	Basement at 509.7	-90			Basement at 509.76m
Stratigraphi	Basement at 485.0	-90			Basement at 485.06m
Water Well	Cable rig, no test r	-90	2.13		
Water	Rotary rig, no test r	-90			
Water	Rotary rig, no test r	-90			
Water	Rotary rig, no test r	-90			
Water	Rotary rig, no test r	-90	58.52		
Water	No test reported.	-90	32.92		
Water	Cable rig, no test r	-90	65.55		
Water	Rotary rig, no test r	-90	65.53		
Water	Rotary rig, no test r	-90	19.81		
Water	Rotary rig, no test r	-90	14.33		
Water		-90	19.81		
Water	Cable rig, no test r	-90	94.49		
Water	Rotary rig, no test r	-90			
Water	Cable rig, no test r	-90			
Oil and Gas	Cable rig, water an	-90	41.5		
Oil and Natu	Rotary rig drilled an	-90	35.5		
Coal		-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Coal	Drilled by Hossfeld	-90			
Titanium	Basement gabbro	-90			
Titanium	Basement gabbro	-90			
Titanium	Basement gabbro	-90			
Titanium	Basement gabbro	-90			
Oil and Gas	Core was not retai				
Oil and Gas		-90	165.55		
Oil and Gas		-90	163		
Oil and Natu	Gas was discovere	-90	67.02		
Potash	Core and chips sto				

Expected_Depth	Status	Updated	Status_Code	Well_History
0				
0				
0				
0				
0				
0				
0				
	Abando	10/7/2003	GHDHOA	Oil Show
0	Abando	10/7/2003	GHDHA	Dry
0	Abando	10/7/2003	GHDHA	Dry
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
1500	Suspen	10/7/2003	GHDH	Dry
1300	Suspen	10/7/2003	GHDH	Dry
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
	Susp	10/7/2003	GHDH	Dry
1500	P&A	10/7/2003	GHDHA	Dry
1200	P&A	10/7/2003	GHDHA	Dry
2050	Comp	10/7/2003	GHGWS	Gas Show

Unique_I	Co	Well_Name_and_Number	Latitude	Longitude	Spud_Date	County
691	S	Taylor Village 1	45.93472	64.54611	1998/08/11	Westmorland
692	S	Taylor Village 2	45.9425	64.55889	1998/08/18	Westmorland
693	S	Taylor Village 3	45.93333	64.56694	1998/08/29	Westmorland
694	S	Boudreau 1	45.92139	64.59222	1998/09/06	Westmorland
695	S	Albert Mines 1	45.88806	64.68389	1998/10/15	Albert
696	S	Albert Mines 3	45.89972	64.68861	1998/09/27	Albert
697	S	Albert Mines 4	45.90417	64.62722	1998/09/12	Albert
698	S	Albert Mines 5	45.88278	64.64278	1998/11/12	Albert
699	S	Breau 1	45.96417	64.54028	1999/05/20	Westmorland
700	M	MariCo Bull Creek 1	45.91444	64.71139	1999/08/14	Albert
701	C	Corridor/Columbia Will DeMille	45.81139	65.13778	1999/10/28	Albert
702	M	MariCo Taylor Village OW 2	45.94278	64.55667	1999/12/29	Westmorland
703	M	MariCo Albert Mines OW 4	45.905	64.62889	2000/03/09	Albert
704	C	Columbia Taylor Village 3	45.93583	64.56611	2000/05/25	Westmorland
705	C	Columbia Beaver Brook 1	45.90306	64.87444	2000/05/22	Albert
706	C	Columbia Beaumont L-24	45.89139	64.57083	2000/05/27	Westmorland
707	C	Columbia Boudreau A-36-2328	45.91917	64.57778	2000/07/06	Westmorland
708	C	Columbia Albert Mines L-44-23	45.89583	64.62306	2000/06/23	Albert
709	C	Columbia/Corridor TCH G-100-	45.9875	64.48556	2000/07/17	Westmorland
710	P	PCS/Corridor McCully 1	45.76889	65.40611	2000/08/06	Kings
711	C	Columbia/Corridor Copper Mine	45.95444	64.46583	2000/10/23	Westmorland
712	C	Columbia Monteagle G-56-222	46.08861	65.13417	2000/12/19	Westmorland
713	C	Columbia Monteagle J-67-2226	46.11028	65.15639	2001/03/14	Westmorland
714	C	Corridor/PCS McCully 2/A-67-2	45.76861	65.40639	2001/01/27	Kings
715	C	Corridor/PCS McCully P-56-24	45.76333	65.37917	2001/04/14	Kings
716	C	Columbia/Corridor Copper Mine	45.95444	64.46611	2001/07/21	Westmorland
717	C	Corridor/PCS McCully C-75-24	45.73583	65.44139	2001/10/08	
718	C	Columbia et al. Monteagle A-47	46.10389	65.10556	2001/08/16	
719	C	Columbia et al. Monteagle L-18	46.12917	65.04944	2001/10/02	
720	E	EOG Corridor McCully D-48-24	45.78528	65.37167	20002/01/26	
721	C	Corridor/Globex Case Settleme	45.68528	65.71833	2001/12/12	Kings
722	E	EOG Corridor McCully J-65-24	45.74583	65.41194	2002/04/18	
723	E	EOG Corridor McCully H-28-24	45.78806	65.30583	2002/02/07	
724	P	PCS #02-01 N-74-2425	45.73056	65.43944	2002	Kings
725	P	PCS #02-02 E-56-2425	45.75417	65.39583	2002	
726	P	PCS #02-03 D-46-2425	45.75357	65.36931	2002	
727	P	PCS #02-04 G-65-2425	45.74028	65.41111	2002	
728	P	PCS #02-05 A-47-2425	45.7625	65.35833	2002	
729	T	TDG Boudreau J-25-2328	45.91056	64.56167	2002/09/18	
2000	U	Lower Cape 70-V-3	45.83056	64.59806		
3361	C	59065	45.74972	65.59444	1977/11/11	
3581	Fi	G-008	45.66997	65.4538		
4332	Ri	Peekaboo Corner P-2	45.65556	65.71917	16/08/1975	
4334	Ri	Peekaboo Corner P-4	45.65867	65.71372		
4335	Ri	Peekaboo Corner P-5	45.65517	65.71583		

NTS	NTS_50	Lat_Deg	Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec
21H/15	21H/15	45	56	5	64	32	46
21H/15	21H/15	45	56	33	64	33	32
21H/15	21H/15	45	56	0	64	34	1
21H/15	21H/15	45	55	17	64	35	32
21H/15	21H/15	45	53	17	64	41	2
21H/15	21H/15	45	53	59	64	41	19
21H/15	21H/15	45	54	15	64	37	38
21H/15	21H/15	45	52	58	64	38	34
21H/15	21H/15	45	57	51	64	32	25
21H/15	21H/15	45	54	52	64	42	41
21H/14	21H/14	45	48	41	65	8	16
21H/15	21H/15	45	56	34	64	33	24
21H/15	21H/15	45	54	18	64	37	44
21H/15	21H/15	45	56	9	64	33	58
21H/15	21H/15	45	54	11	64	52	28
21H/15	21H/15	45	53	29	64	34	15
21H/15	21H/15	45	55	9	64	34	40
21H/15	21H/15	45	53	45	64	37	23
21H/16	21H/16	45	59	15	64	29	8
21H/14	21H/14	45	46	8	65	24	22
21H/16	21H/16	45	57	16	64	27	57
21I/03	21I/03	46	5	19	65	8	3
21I/03	21I/03	46	6	37	65	9	23
21H/14	21H/14	45	46	7	65	24	23
21H/14	21H/14	45	45	48	65	22	45
21H/16	21H/16	45	57	16	64	27	58
21H/11	21H/11	45	44	9	65	26	29
21I/03	21I/03	46	6	14	65	6	20
21I/03	21I/03	46	7	45	65	2	58
21H/14	21H/14	45	47	7	65	22	18
21H/12	21H/12	45	41	7	65	43	6
21H/11	21H/11	45	44	45	65	24	43
21H/14	21H/14	45	47	17	65	18	21
21H/14	21H/14	45	43	50	65	26	22
21H/14	21H/14	45	45	15	65	23	45
21H/14	21H/14	45	45	12.8495	65	22	9.5155
21H/11	21H/11	45	44	25	65	24	40
21H/14	21H/14	45	45	45	65	21	30
21H/15	21H/15	45	54	38	64	33	42
21H/15	21H/15	45	49	50	64	35	53
21H/12	21H/12	45	44	59	65	35	40
21H/11W	21H/11	45	40	11.88	65	27	13.68
21H/12E	21H/12	45	39	20	65	43	9
21H/12	21H/12	45	39	31.2	65	42	49.4
21H/12	21H/12	45	39	18.6	65	42	57

Ground_Elevation_m	Total_Depth_m	Geological_Units	Depth_to_Coal_m
39.405	509.3	Albert (Frederick Brook Mbr 0-343m	
16.732	539.8	Albert (Frederick Brook Mbr. 0-467	
60.909	381.31	Albert (Hiram Br. Mbr 0-113m; Fred	
68.41	556.15	Albert (Hiram Bk. Mbr. 0-64m; Fred	
91.843	800.3	Macumber, Hillsborough, Weldon, A	
73.868	877.52	Weldon	
8.352	762.3	Hillsborough, Weldon, Albert (Hiram	
106.358	1374.95	Boss Point, Hopewell Cape, Hillsbor	
6.2	387.4	Boss Point, Hopewell Cape, Albert (	
52	1976	Hillsborough, Weldon, Boyd Creek	
211.8	2644	Boss Point, Mabou, Upperton, Gays	
16.5	750	Hopewell Cape, Albert	
10.4	915.8	Hillsborough, Weldon, Albert	
65	1600	Hopewell Cape, Albert	
132.0	2245	Boss Point, Mabou ??, basal Winds	
120	1750	Boss Point, Hopewell Cape, Maring	
138	1631	Hopewell Cape, Albert	
73	2050	Hopewell Cape, Hillsborough, Albert	
79	1650	Boss Point, Hopewell Cape, Albert	
22.45	2657	Mabou Gp., Clover Hill, Cassidy Lak	
140	2396	Boss Point Formation, Hopewell Ca	
107	1100	-	
82	2499	-	
22.45	2431	Hopewell Formation, Windsor Grou	
63.04	3182	Hopewell Formation, Windsor Grou	
140	3000	-	
42.84	3159	Hopewell Formation, Windsor Grou	
110.0	2530	-	
	1977	-	
29.89	2650	-	
71.69	2123	-	
54.65	3006	-	
89.66	3260	-	
48.60	900	Confidential	
55		Confidential	
60		Confidential	
78		Confidential	
76		Confidential	
52	507.6	Confidential	
85	64.01	Boss Point	
	227.99	Grit, Sandstone, Siltstone	
	153.5		
31.09	161.59		
60	277.4		
94.8	125		

Prospect	Remarks	Inclination	Kelly_Elevation_m	True_Azimuth	Geological_Notes
Oil Shale			43.405		
Oil Shale			20.872		
Oil Shale			64.869		
Oil Shale			72.75		
Oil Shale			95.803		
Oil Shale			78.5		
Oil Shale			12.382		
Oil Shale			110.898		
Oil Shale			10.2		
Oil and Gas			56.4		
Oil and Gas	Well Cuttings for		216.3		
Oil and Gas		-90	21		
Oil and Gas			15.9		
Oil and Gas			69.5		
Oil and Gas	Cuttings for upper		137.7		
Stratigraphi			123		
Oil and Gas			142.5		
Oil and Gas			78.67		
Stratigraphi			81		
Oil and Gas			28.12		
Stratigraphi		-90	145.3		
Stratigraphi		-90	111.6		
Stratigraphi		-90	86.5		
Oil and Gas			28.12		
Oil and Gas	*Well Cuttings for	-90	68.71		
Oil and Gas		-90	145.3		
Oil and Gas			48.51		
Oil and Gas		-90	114.5		
Oil and Gas		-90			
Oil and Gas		-90	34.79		
Oil and Gas		-90	76.75		
Oil and Gas			59.55		
Oil and Gas			94.56		
Potash		-90			
Potash			61		
Potash			66		
Potash			84		
Potash			82		
Bituminous		-90	54		
	Not in Borehole Da				
Uranium	Not in Borehole Da	-85		120	
Copper	Not in Borehole Da			000	
Minerals	Not in Borehole Da	-90		000	
Minerals	Not in Borehole Da				
Minerals	Not in Borehole Da				

Expected_Depth	Status	Updated	Status_Code	Well_History
700	P&A	10/7/2003	GHDHOA	Oil Show
640	P&A	10/7/2003	GHDHOA	Oil Show
750	P&A	10/7/2003	GHDHOA	Oil Show
750	P&A	10/7/2003	GHDHOA	Oil Show
700	P&A	10/7/2003	GHDHOA	Oil Show
1000	P&A	10/7/2003	GHDHA	Dry
700	P&A	10/7/2003	GHDHOA	Oil Show
1500	P&A	10/7/2003	GHDHOA	Oil Show
750	P&A	10/7/2003	GHDHOA	Oil Show
	P&A	10/7/2003	GHDHA	Mechanical Failure
2250	P&A	10/7/2003	GHDHA	Dry
750	P&A	10/7/2003	GHOWA	Oil Shows
1000	Susp	10/7/2003	GHOWS	Oil Shows
1000	P&A	10/7/2003	GHOWA	Oil Shows
2000	P&A	10/7/2003	GHDHA	Dry
2000	P&A	10/7/2003	GHDHA	Dry
1500	P&A	10/7/2003	GHDHA	Oil Shows
2000	Susp	10/7/2003	GHOWS	Oil Shows
1800	P&A	10/7/2003	GHDHA	Dry
2300	Gas	10/7/2003	GHGW	Gas Shows
2500	P&A	10/7/2003	GHOGWA	Drilled
1000	Susp	10/7/2003	GHOWS	Drilled
2500	P&A	10/7/2003	GHOGWA	Drilled
2445	Comp	10/7/2003	GHGW	Drilled
2700	Comp	10/7/2003	GHGWS	Drilled
3000	P&A	10/7/2003	GHOGWA	Drilled
3180	Comp	10/7/2003	GHGWS	Drilled
2500	Susp	10/7/2003	GHOWS	Drilling
2500	P&A	10/7/2003	GHOWA	Drilled
2650	Comp	10/7/2003	GHGWS	Drilled
2225	P&A	12/1/2003	GHOGWA	Drilled
3200	Comp	10/7/2003	GHGWS	Drilled
3200	Comp	10/7/2003	GHGWS	Drilled
	P&A	10/7/2003		Drilled
900	Confide	10/7/2003		Drilled
900	Confide	10/7/2003		Drilled
1000	Confide	10/7/2003		Drilled
1000	Confide	10/7/2003		Drilled
600	P&A	12/1/2003	GHWC	Drilled
		3/21/2004		
		8/5/2004		Drilled
		8/9/2004		
		6/21/2004		
		6/21/2004		

Dh_Fischer_	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
1	12	17		0.26	3
2	13	17		0.21	2.4
3	14	17		0.61	7
4	15	17		0.18	2.1
5	16	17		0.93	10.6
6	17	17		0.92	10.5
7	18	17		1.34	15.4
8	19	17		0.85	9.8
9	35	17		0.09	1.1
10	21	17		0.04	0.4
11	37	17		0.17	1.9
12	38	17		0.29	3.4
13	39	17		0.3	3.4
14	40	17		0.36	4.1
15	41	17		0.26	3
16	42	17		0.35	4.1
17	43	17		0.52	6
18	44	17		1.01	11.6
19	45	17		0.42	4.9
20	46	17		0.41	4.7
21	47	17		0.59	6.8
22	48	17		0.16	1.8
23	49	17		0.41	4.7
24	50	17		0.34	3.9
25	51	17		0.29	3.3
26	52	17		0.37	4.2
27	53	17		0.38	4.4
28	54	17		0.29	3.3
29	55	17		0.67	7.6
30	56	17		0.65	7.5
31	57	17		0.31	3.6
32	58	17		0.49	5.6
33	59	17		0.67	7.7
34	60	17		0.75	8.6
35	61	17		0.71	8.2
36	62	17		0.44	51
37	63	17		0.47	5.4
38	64	17		0.19	2.1
39	65	17		0.24	2.8
40	66	17		0.57	6.5
41	67	17		0.36	4.1
42	68	17		0.36	4.1
43	69	17		0.75	8.6
44	70	17		0.54	6.2
45	71	17		0.49	5.6
46	72	17		0.44	5.1

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
0.9		2.661		2
1.2		2.75		1.5
1.05		2.72		2.5
1		2.64		2
0.95		2.602		2
0.75		2.554		2
1.8		2.687		3.5
0.7		2.673		2
0.4		2.591		1.5
0.8		2.694		1
0.08		2.626		0.5
1.4		2.564		3
0.55		2.687		1.5
0.35		2.677		1.5
1.2		2.662		2
0.7		2.581		2
1.45		2.682		2
1.25		2.668		2.5
1.1		2.615		2
1.05		2.662		2
1.9		2.685		3.5
1.8		2.697		2.5
1.55		2.683		2.5
1.05		2.672		1.5
1.25		2.578		2
1.15		2.583		2
1.2		2.717		2.5
1.1		2.706		1.5
1.1		2.691		2
0.65		2.717		2
1.1		2.691		2
1.6		2.648		2.5
1.1		2.632		3
0.6		2.683		2.5
1.4		2.632		2.5
1		2.672		2.5
0.95		2.607		2
0.75		2.64		1
0.65		2.634		1
1.45		2.634		2
1.35		2.59		2
1		2.626		1.5
1.4		2.634		2
1.05		2.681		2
1.25		2.634		2
0.95		2.688		1.5

%_Gas_Loss	Gas_Plus_Loss_Wt %
0.84	
0.09	
0.84	
0.82	
0.12	
0.33	
0.36	
0.45	
1.01	
0.17	
0.25	
1.31	
0.65	
0.79	
0.54	
0.94	
0.03	
0.24	
0.48	
0.54	
1.01	
0.54	
0.54	
0.11	
0.46	
0.48	
0.92	
0.11	
0.23	
0.7	
0.59	
0.41	
1.23	
1.15	
0.39	
1.06	
0.58	
0.06	
0.11	
0	
0.29	
0.14	
0	
0.41	
0.26	
0.11	

Dh_Fischer	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
47	73	17		0.3	3.5
48	31	17		0.13	1.5
49	33	17		0.5	5.7
50	76	17		0.44	5
51	77	17		0.52	6
52	78	17		0.22	2.5
53	79	17		0.27	3.1
54	80	17		0.52	5.9
55	94	3	0.906	0.7	7.49
56	95	3	0.906	0.7	7.91
57	96	3	0.906	1.1	12.07
58	97	3	0.898	3	33.72
59	547	3	0.869	8.4	97.01
60	548	3	0.87	2.5	28.31
61	549	3	0.876	5.7	65.37
62	550	3	0.874	13	148.64
63	551	3	0.87	8.1	92.85
64	552	3	0.87	3.8	44.13
65	553	3	0.878	105	118.66
66	554	3	0.878	8.8	99.92
67	555	3	0.879	5.7	64.95
68	556	3	0.876	14.2	161.96
69	557	3	0.878	12.3	140.31
70	558	3	0.877	3.4	38.72
71	559	3	0.83	8.9	100.76
72	560	3	0.877	4.4	50.38
73	561	3	0.858	2.4	27.9
74	562	3	0.87	11	126.57
75	563	3	0.879	12.6	142.39
76	564	3	0.877	2	22.48
77	565	3	0.88	11.9	134.48
78	566	3	0.879	5.7	65.37
79	567	3	0.879	5.2	59.12
80	568	3	0.877	9	102.01
81	569	3	0.874	7.2	82.44
82	570	3	0.878	9.5	107.83
83	571	3	0.877	2.9	33.31
84	572	3	0.876	5	57.04
85	573	3	0.875	1.8	20.4
86	574	3	0.875	13.6	155.3
87	576	3	0.876	5.2	59.54
88	577	3	0.872	2.1	23.73
89	578	3	0.874	3.3	37.06
90	579	3	0.875	3.2	36.22
91	580	3	0.878	7.4	83.69
92	581	3	0.877	10.8	123.24

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
1.2		2.634		1.5
0.9		2.536		1.5
1.1		2.739		1.5
1		2.7		2
1.1				2
1		2.691		1.5
0.85		2.662		1.5
1.2		2.66		2
0.4	4.16	2.29	98.3	
0.1	0.83	2.24	97.9	
0.5	5	2.28	97.7	
0.4	4.16	2.4	95.7	
2.2	22.48	2.07	87.4	
1.6	15.82	2.01	95.2	
2.2	22.48	2.19	90.8	
1.4	13.74	2.19	82.6	
1.4	14.57	2.11	88.8	
1.1	10.83	2.34	93.9	
1.5	14.99	1.81	85.8	
1.8	18.32	1.93	87.6	
0.7	7.08	1.99	92.3	
1.2	11.66	1.67	82.1	
1.1	11.24	1.89	83.4	
3.5	34.97		92.1	
1.6	16.24	2.07	87	
2.4	24.15	2.37	90.3	
2.6	25.81	2.39	93.9	
1.7	16.65	2.18	84.9	
1.6	15.82	1.95	82.9	
0.5	5	2.61	96.6	
0.9	8.74	2.03	84.9	
1.9	19.15	2.28	77.2	
1.5	14.57	2.31	92	
1	10.41	2.26	87.6	
1.1	10.83	2.23	89.5	
0.8	8.33	2.1	87	
1.7	16.65	2.45	94	
1	10.41	2.27	92.8	
4	39.97		92.4	
1.4	14.16	1.88	82	
1.7	17.07	2.34	91.7	
0.8	7.91	2.68	95.8	
1.2	11.66	2.44	94.7	
1.4	14.57	2.59	94.2	
1.5	15.4	1.87	89.3	
1.3	12.91	2.07	85.4	

%_Gas_Loss	Gas_Plus_Loss_Wt %
0	
0.47	
0	
0.56	
0.38	
0.28	
0.38	
0.29	
	0.6
	1.3
	0.7
	0.7
	2
	0.7
	1.2
	3
	1.6
	1.2
	2.2
	1.8
	1.3
	2.5
	3.1
	1
	2.5
	2.8
	1.1
	2.4
	3
	1
	2.4
	15.2
	1.3
	2.4
	2.2
	2.6
	1.3
	1.3
	1.8
	3
	1.3
	1.4
	0.9
	1.2
	1.7
	2.5

Dh_Fischer_	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
93	582	3	0.876	9.2	104.92
94	583	3	0.88	11.7	132.4
95	584	3	0.878	10.1	115.33
96	588	3	0.914	0.3	3.75
97	591	3	0.908	1.5	16.65
98	593	3	0.914	1.5	17.07
99	595	3	0.909	1.5	16.24
100	596	3	0.914	0.2	2.5
101	599	3	0.917	4.1	44.13
102	600	3	0.914	3.2	34.97
103	602	3	0.916	7.7	83.69
104	605	3	0.92	3.4	37.06
105	606	3	0.918	11.4	123.66
106	609	3	0.917	8.8	96.18
107	610	3	0.918	12.2	132.4
108	612	3	0.921	1.2	12.91
109	614	3	0.914	5.2	56.62
110	616	3	0.912	10.5	114.91
111	626	3	0.908	5.9	64.95
112	627	3	0.909	1.4	15.82
113	628	3	0.91	3.8	42.05
114	629	3	0.909	1.3	14.99
115	630	3	0.906	7.7	84.94
116	643	3	0.913	7.1	77.86
117	644	3	0.913	7.3	79.52
118	645	3	0.911	6	65.78
119	646	3	0.909	5.2	56.62
120	647	3	0.882	7.3	82.85
121	648	3	0.88	14.7	166.96
122	649	3	0.883	13.1	148.64
123	650	3	0.887	9.1	102.01
124	651	3	0.89	23.4	262.3
125	652	3	0.89	9.9	111.17
126	654	3	0.892	5.4	60.37
127	655	3	0.891	4.5	50.38
128	656	3	0.893	7.6	84.52
129	658	3	0.888	8	89.93
130	659	3	0.892	2.6	28.73
131	662	3	0.89	6.8	75.78
132	664	3	0.894	6.5	72.44
133	667	3	0.892	3	33.31
134	670	3	0.893	7.9	87.85
135	675	3	0.889	4	44.55
136	680	3	0.894	3.9	43.72
137	681	3	0.889	7.6	85.35
138	682	3	0.895	2.1	22.9

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
1.5	14.99	2.11	87.4	
2.1	21.23	1.85	83.8	
1.8	18.32	1.83	85.8	
1.4	13.74	2.59	97.7	
0.2	1.67	2.25	97.7	
1.6	15.4	2.52	96.1	
1.7	16.65	2.52	96	
2.1	21.23	2.56	97	
0.9	9.16	2.59	93.5	
0.4	4.58	2.55	95.2	
0.6	5.83	2.25	89.9	
1	9.58	2.39	93.9	
0.7	7.08	2.05	85.9	
0.8	8.33	2.14	87.4	
0.9	8.74	2.09	84.1	
0.1	1.25	2.65	97.9	
0.5	4.58	2.29	92.4	
0.5	5	1.95	86.5	
1.8	18.32	2.26	90.5	
3.1	31.23	2.48	93.4	
2	20.4	2.28	92.4	
1.6	15.82	2.51	95.8	
1.3	12.91	2.26	88.1	
1.8	18.32	2.12	88.9	
1.5	14.57	1.92	87.7	
0.8	8.33	2.19	91.3	
0.5	5	1.79	92	
1.6	15.82	1.99	89.2	
1.6	16.24	1.7	80.3	
1.2	11.66	2.06	83.2	
0.9	9.16	1.82	88	
1.8	17.49	1.35	70.3	
1.1	11.24	1.89	86.8	
1	9.99	1.98	91.7	
1.2	11.66	2.35	92.5	
1.2	11.66	2.19	89.3	
0.9	9.16	1.97	89.1	
0.4	3.75	2.13	95.5	
0.4	4.16	2.04	90.3	
0.5	5	2.19	90.9	
0.2	2.5	2.4	94.6	
0.2	2.08	2.24	88.6	
0.2	2.08	2.38	94	
0.4	3.75	2.08	93.3	
0.5	5	2.07	88.5	
0.3	2.5	2.35	97	

%_Gas_Loss	Gas_Plus_Loss_Wt %
	1.9
	2.4
	2.2
	0.6
	0.7
	0.7
	0.9
	0.7
	1.5
	1.2
	1.8
	1.7
	2
	3
	2.9
	0.8
	2
	2.3
	1.7
	2
	1.8
	1.3
	2.9
	2.1
	3.6
	1.9
	2.4
	1.9
	3.3
	2.5
	2
	4.5
	2.1
	1.9
	1.8
	1.9
	2
	1.5
	2.5
	2.1
	2.2
	3.3
	1.8
	2.3
	3.4
	0.7

Dh_Fischer_	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
139	685	3	0.899	6.5	72.44
140	686	3	0.889	4.8	53.71
141	687	3	0.88	2.8	31.64
142	690	3	0.874	2.7	30.39
143	692	3	0.874	6.1	69.11
144	694	3	0.869	2.3	26.23
145	706	3	0.869	4.1	47.46
146	707	3	0.922	4.6	49.55
147	708	3	0.92	3.3	35.39
148	709	3	0.919	6.6	71.61
149	710	3	0.921	8.4	91.18
150	711	3	0.919	6	65.78
151	712	3	0.918	10.3	111.58
152	713	3	0.919	8.9	96.59
153	714	3	0.913	4.4	48.71
154	715	3	0.914	5.4	58.71
155	716	3	0.904	5.7	62.45
156	717	3	0.904	5.6	61.62
157	718	3	0.899	3	33.72
158	719	3	0.901	5.6	62.04
159	720	3	0.903	14.2	156.96
160	721	3	0.904	4	43.72
161	722	3	0.899	5	55.37
162	723	3	0.897	17.4	193.6
163	724	3	0.895	2.6	28.73
164	725	3	0.899	5.8	64.12
165	726	3	0.901	6.7	74.53
166	727	3	0.894	4.1	45.8
167	728	3	0.897	4.7	52.04
168	729	3	0.894	5.2	57.46
169	730	3	0.887	5.6	62.87
170	731	3	0.889	1	11.24
171	732	3	0.887	2.2	24.98
172	733	3	0.884	8	90.35
173	734	3	0.884	4.7	53.29
174	735	3	0.879	1.1	12.49
175	736	3	0.888	1.2	13.32
176	833	3	0.889	1.3	14.99
177	834	3	0.909	0	0
178	837	3	0.889	1.9	20.82
179	839	3	0.891	1.9	21.65
180	840	3	0.887	1.6	17.9
181	841	3	0.884	4.7	53.29
182	843	3	0.884	1.9	21.23
183	845	3	0.889	4.5	50.38
184	1812	29			114.5

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
0.3	3.33	2.06	91.7	
0.3	2.91	2.16	92.7	
0.4	4.16	2.4	96	
0.7	7.08	2.5	94.8	
0.3	3.33	2.02	91.9	
0.2	2.5	2.22	96	
1.4	14.16	2.01	93.2	
2.5	24.98	2.02	91.6	
2.2	22.07	2.17	92.4	
2.2	22.48	2.12	89.8	
1.4	13.74	2.28	86.7	
0.4	4.16	2.23	90.7	
0.5	4.58	2.14	85.7	
0.5	5.41	2.12	88.3	
0.9	8.74	2.37	92.6	
0.3	2.5	2.37	92.1	
0.3	3.33	2.24	91.7	
0.4	3.75	2.29	90.8	
0.2	2.5	2.43	95.7	
0.6	5.83	2.14	91.7	
0.5	5.41	1.89	82.1	
0.2	2.5	2.43	94.4	
0.4	3.75	2.53	92.3	
0.6	5.83	1.22	77.1	
0.2	2.5	2.49	96.1	
0.4	3.75	2.26	91	
0.4	4.58	2.15	90.4	
0.7	6.66	2.38	93.9	
0.7	7.49	2.28	93.1	
0.4	3.75	2.35	93.3	
0.2	2.5	2.31	93.1	
2.1	20.82	2.44	96.4	
0.4	4.16	2.43	96.7	
0.5	5	2.12	89.5	
0.4	4.58	2.36	93	
0.4	3.75	2.54	98.1	
0.2	2.5	2.54	97.8	
1.3	13.32	2.24	96.5	
3.2	32.06		95.9	
0.8	7.49	2.47	96.4	
0.2	1.67	2.47	96.7	
0.8	7.91	2.57	95.7	
0.2	2.5	2.43	93.4	
2.3	22.48	2.43	93.2	
0.5	4.58	2.53	93.4	

%_Gas_Loss	Gas_Plus_Loss_Wt %
	1.4
	2.2
	0.8
	1.8
	1.7
	1.4
	1.3
	1.3
	2.1
	1.4
	3.5
	2.9
	3.5
	2.3
	2.1
	2.2
	2.3
	3.2
	1
	2.1
	3.1
	1.4
	2.3
	4.9
	1
	2.9
	2.5
	1.3
	1.5
	1.2
	1.1
	0.5
	0.7
	2
	1.8
	0.5
	0.8
	0.9
	0.9
	1
	1.2
	2
	1.7
	2.6
	1.6

Dh_Fischer	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
185	1813	29			124.9
186	1814	29			83.27
187	1815	29			145.72
188	1816	29			199.85
189	1817	29			191.52
190	1818	29			199.85
191	1819	29			149.89
192	1820	29			133.23
193	1821	29			24.98
194	1822	29			45.8
195	1823	29			108.25
196	1824	29			74.94
197	1825	29			70.78
198	1826	29			70.78
200	3527	37	0.888	8.1	91.18
201	3528	37	0.939	12.3	130.73
202	3529	37	0.906	6.9	75.78
203	3530	37	0.893	6.6	73.28
204	3531	37	0.89	4.9	55.37
205	3532	37	0.9	4.3	47.88
206	3533	37	0.925	4.2	45.38
207	3534	37	0.88	2.8	31.64
208	3535	37	0.887	3.7	41.22
209	3536	37	0.889	4.3	47.88
210	3537	37	0.89	4.8	54.13
211	3538	37	0.873	2.1	24.15
212	3539	37	0.887	5.2	58.29
213	3540	37	0.894	7.4	82.44
214	3541	37	0.89	11.2	125.32
215	3542	37	0.888	10.2	114.91
216	3543	37	0.896	8.1	89.52
217	3544	37	0.894	9.6	107.42
218	3545	37	0.903	7.5	82.44
219	3546	37	0.905	13.5	166.96
220	3547	37	0.887	9.1	102.01
221	3548	37	0.905	9.4	104.09
222	3549	37	0.885	9.9	111.58
223	3550	37	0.895	6.9	76.61
224	3551	37	0.928	4.5	48.3
225	3552	37	0.875	5.8	66.62
226	3553	37	0.888	3.4	38.3
227	3554	37	0.87	7.4	84.94
228	3555	37	0.92	5.7	62.04
229	3556	37	0.898	13.3	148.22
230	3557	37	0.885	7.6	85.35
231	3558	37	0.905	8	88.27

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
1.5	14.99	2.26	88.3	
2	19.98	2.32	83.1	
2	19.98	2.13	84.6	
1	9.99	2.33	90.9	
1	9.99	2.29	93	
2	19.98	2.36	91.9	
1	9.99	2.29	93.8	
1	9.99	2.67	95.2	
2	19.98	2.62	91.4	
2	19.98	2.35	90.9	
1.5	14.99	2.34	91.5	
0.5	5	2.29	96.9	
1.5	14.99	2.31	92.5	
1.5	14.99	2.24	88.2	
1	9.99	1.94	86.4	
1	9.99	2.12	87.4	
1.8	17.9	2.26	88.6	
1.5	14.99	2.22	86.8	
2.2	22.07	2.28	89.2	
1.5	14.99	1.79	83.1	
1	9.99	2.13	86.3	
1	9.99	1.84	86	
1.5	14.99	2.2	86.9	
1.5	14.99	2.24	88.7	
1	9.99	2.33	93.3	
1.4	14.16	2.31	91.8	
1	9.99	2.39	93	
1.4	14.16	2.22	90.3	
1	9.99	2.36	92.4	
1.5	14.99	2.03	83.4	
1	9.99	2.16	90.2	
1	9.99	2.28	89.6	

%_Gas_Loss	Gas_Plus_Loss_Wt %
	2.1
	2.6
	6.5
	1.6
	1.1
	1.8
	1
	1
	2.9
	2.9
	2.2
	0.5
	0.8
	2.9
	1.4
	1.4
	1.6
	2.1
	1.2
	2
	3.6
	3.6
	1.7
	2.9
	1.2
	1
	2.6
	0.9
	0.9
	1.8
	1.2
	1.4

Dh_Fischer	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
232	3559	37	0.885	11.2	126.15
233	3560	37	0.872	10.9	125.32
234	3561	37	0.925	9.6	103.67
235	3562	37	0.902	7.8	85.77
236	3563	37	0.897	10.2	113.66
237	3564	37	0.886	10.3	116.58
238	3565	37	0.904	5.6	62.04
239	3566	37	0.892	10.5	117.41
240	3567	37	0.879	8.7	99.09
241	3568	37	0.878	5.1	57.87
242	3569	37	0.874	9	102.42
243	3570	37	0.892	5.7	63.7
244	3571	37	0.883	4.3	48.71
245	3572	37	0.87	3.8	42.88
246	3573	37	0.877	6.8	76.61
247	3574	37	0.881	5.8	65.78
248	3575	37	0.877	2.6	29.98
249	3576	37	0.92	1.7	18.32
250	3577	37	0.92	0.6	7.08
251	3578	37	0.92	0.1	1.25
252	3579	37	0.92	0.5	5
253	3580	37	0.92	0.8	8.33
254	3581	37	0.92	0.9	9.58
255	3582	37	0.92	0.6	6.66
256	3583	37	0.92	1.1	12.07
257	3584	37	0.92	1.3	13.74
258	3585	37	0.92	1.2	12.49
259	3586	37	0.92	1.9	20.82
260	3587	37	0.92	1.5	15.82
261	3665	40		3.6933	41.59
262	3666	40		2.6633	30.08
263	3667	40		2.0808	23.53
264	3668	40		0.8489	9.51
265	3669	40		1.7449	15.52
266	3670	40		2.7795	31.58
267	3671	40		2.7414	31.08
268	3672	40		0.7726	8.51
269	3673	40		4.2831	48.6
270	3674	40		4.9967	56.61
271	3675	40		1.7878	20.03
272	3676	40		0.6673	7.51
273	3737	11	0.895	1.8	20
274	3738	11	0.893	3	33.9
275	3739	11	0.889	2.2	24.6
276	3740	11	0.888	1	11.6
277	3741	11	0.892	1.1	12

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
1	9.99	1.84	85.9	
1.2	12.07	2.09	86.5	
1	9.99	2.09	87.9	
0.5	5	2.17	85.7	
0.5	5	2.1	86.8	
1	9.99	2.15	86.6	
1	9.99	2.17	87.5	
1	9.99	2.08	86.4	
1.6	15.82	2.19	88	
1.4	14.16	2.17	87.6	
1	9.99	2.38	88.5	
1	9.99	2.49	92.1	
1.2	12.07	2.33	93.6	
1.2	12.07	2.36	94.4	
0.4	4.16	2.33	91.9	
1.2	12.07	2.37	91.9	
1.2	12.07	2.23	93.7	
0.8	7.91	2.57	97	
1	9.99	2.57	98	
2.8	27.9	2.64	96.8	
2.6	25.81	2.56	96.6	
2.6	26.23	2.59	96.2	
2.8	27.9	2.48	95.8	
3.2	32.06	2.46	96	
2.6	25.81	2.72	95.3	
3	29.98	2.55	94.9	
2.8	27.9	2.47	95.5	
2	19.98	2.47	95	
4	39.97	2.47	92.1	
1.2	12.02			5.5
1.4	14.02			5.5
1.3	13.02			5
0.25	2.5			5
0.9	9.01			9
1.8	18.02			6
2.5	24.99			7
0.6	6.01			7.5
1	10.01			8.5
0.9	9.01			8
1.6	16.02			4.5
1.7	17.02			5
1.6	15.7		96.2	
1.6	15.7		94.5	
1.5	15.4		95.6	
1.2	11.6		97.5	
1.5	14.8		97.2	

%_Gas_Loss	Gas_Plus_Loss_Wt %
	1.9
	1.4
	1.5
	6
	2.5
	2
	5.9
	2.1
	1.6
	5.9
	1.6
	1.2
	0.9
	0.6
	0.9
	1.1
	2.4
	0.5
	0.4
	0.3
	0.4
	0.5
	0.5
	0.2
	1
	0.9
	0.6
	1.1
	2.5
0.6	
1.4	
1.6	
3.8	
6.4	
1.4	
1.8	
6.1	
3.2	
2.1	
1.1	
2.6	
	0.4
	0.9
	0.7
	0.3
	0.2

Dh_Fischer	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
278	3742	11	0.894	3.1	35
279	3743	11	0.889	3.2	36.1
280	3744	11	0.893	0.8	8.4
281	3745	11	0.89	4.3	48.6
282	3746	11	0.885	6.9	78.2
283	3747	11	0.894	6.5	73.2
284	3748	11	0.888	8	90.4
285	3749	11	0.884	6.6	75.2
286	3750	11	0.88	5.6	63.4
287	3751	11	0.878	10.9	124.1
288	3752	11	0.874	9.1	103.9
289	3753	11	0.873	8.8	101
290	3754	11	0.879	4.4	50.5
291	3755	11	0.879	1.1	12.3
292	3756	11	0.879	0.7	7.6
293	3757	11	0.881	1.2	14.1
294	3758	11	0.882	3.3	37.7
295	3759	11	0.898	4.9	55.1
296	3760	11	0.894	2.9	32.8
297	3761	11	0.899	1.9	21.5
298	3762	11	0.899	0.7	8.1
299	3763	11	0.899	0.6	6.4
300	3764	11	0.899	0.7	7.4
301	3765	11	0.899	1.2	13.7
302	3766	11	0.913	1.5	16.9
303	3767	1	0.915	1	10.7
304	3768	11	0.911	1	10.7
305	3769	11	0.908	0.9	10.1
306	3770	11	0.907	1.7	18.4
307	3771	11	0.91	3.6	40.1
308	3772	11	0.911	4.6	50
309	3773	11	0.909	1.4	15.6
310	3774	11	0.909	1.5	16.7
311	3775	11	0.909	0.7	7.4
312	3776	11	0.909	0.8	8.4
313	3777	11	0.899	2.1	23.1
314	3779	11	0.895	2.2	25.1
315	3778	11	0.896	1.7	19.3
316	3780	11	0.894	3	33.7
317	3781	11	0.888	3.3	37.6
318	3782	11	0.887	3.1	34.8
319	3783	11	0.886	3	33.7
320	3784	11	0.888	3	34.3
321	3785	11	0.885	3.2	36.5
322	3786	11	0.887	2.2	24.9
323	3787	11	0.884	3.2	36.7

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
1.6	16.2		94.5	
1.6	16.2		94.4	
1.9	18.8		96.8	
1.1	11		93.1	
1	9.8		90.5	
2.4	23.5		89.2	
0.9	9.1		89.8	
1.5	15.2		90.6	
0.9	8.6		92.5	
1.5	15.1		85.5	
1.1	11.2		88.2	
0.8	8.4		88.3	
2	20.2		92	
1.1	11.1		97.3	
1.4	14		96.5	
1.5	15.1		95.7	
1.5	15.2		93.9	
1.2	12.1		91.9	
1.1	11.1		94	
1.5	14.6		95	
1.3	12.9		96.9	
1.6	16.2		95.8	
1.4	14		96.4	
1.4	14.1		95.7	
1.4	14.1		96.1	
1	9.9		96.4	
1.2	12.2		96.6	
1.2	12.5		95.9	
1.4	13.8		95.7	
1.4	13.9		92.3	
1.1	11.2		92.1	
1.5	14.5		95.3	
1.9	18.7		94.5	
1.7	17.4		94.2	
1.4	13.6		95.6	
1.6	16.1		94.1	
1	10.4		94.9	
1.2	12.1		95.6	
1.6	16.4		93.6	
1.6	16.3		93.1	
0.8	7.7		94.9	
1.6	15.9		93.2	
1.6	16.2		92.7	
1.8	17.8		93.7	
2.1	21.4		94.4	
1.9	19.2		93.4	

%_Gas_Loss	Gas_Plus_Loss_Wt %
	0.7
	0.7
	0.6
	1.4
	1.6
	1.9
	1.2
	1.2
	1
	2.1
	1.6
	2
	1.5
	0.5
	1.5
	1.6
	1.2
	1.3
	2
	1.6
	1.1
	2.1
	1.6
	1.7
	1
	1.6
	1.2
	1.9
	1.3
	2.6
	2.2
	1.8
	2.1
	3.4
	2.3
	2.2
	1.8
	1.4
	1.8
	2
	1.3
	2.2
	2.6
	1.3
	1.3
	1.5

Dh_Fischer	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
324	3788	11	0.886	2.2	24.8
325	3789	11	0.886	2.8	32.1
326	3790	11	0.886	0.4	5.1
327	3791	11	0.886	1.1	12.4
328	3792	11	0.886	0.6	6.7
329	3793	11	0.886	0.5	5.1
330	3794	11	0.863	4.4	51
331	3795	11	0.86	4.2	48.4
332	3796	11	0.859	3.3	38.7
333	3797	11	0.859	1.1	12.9
334	3798	11	0.862	2.8	32.9
335	3799	11	0.863	2.8	32.4
336	3800	11	0.86	2.7	32
337	3801	11	0.863	4.3	49.9
338	3802	11	0.859	2.7	31.8
339	3803	11	0.859	1.3	15.3
340	3804	11	0.859	3.3	37.9
341	3805	11	0.859	0.4	4.5
342	3806	11	0.859	0.9	10.7
343	3807	11	0.865	4.8	56
344	3808	11	0.868	4.7	54.1
345	3809	11	0.87	5.6	64.3
346	3810	11		3.2	36.4
347	3811	11	0.867	6.2	71.7
348	3812	11	0.868	4.1	47
349	3813	11	0.868	1.8	20.9
350	3814	11	0.868	0.5	5.6
351	3815	11	0.868	0.2	2.3
352	3816	11	0.868	0.1	1.2
353	3817	11	0.868	0.1	0.6
354	3818	11	0.868	0.1	0.9
355	3819	11	0.868	0.5	5.9
356	3820	11	0.868	1	11.6
357	3821	11	0.868	0.6	6.8
358	3822	11	0.868	0.5	5.4
359	1128	11	0.889	3.8	42.8
360	1130	11	0.89	4.4	50
361	1135	11	0.89	1.4	15.9
362	1136	11	0.888	4.4	49.4
363	1137	11	0.887	3	34.3
364	1140	11	0.887	0.9	10.4
365	1141	11	0.887	2.1	23.3
366	1142	11	0.884	3.7	41.6
367	1146	11	0.886	3	34.1
368	1149	11	0.883	5.8	65.9
369	1154	11	0.883	1.4	16.4

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
2.3	23.4		93.6	
1.8	17.6		93.9	
2.1	20.7		96.6	
2.9	29		94.8	
2	19.8		96.6	
2.4	23.7		96.5	
1.6	15.5		93	
1.4	13.6		94.5	
2.2	22.4		93.3	
0.7	7		94.8	
1.6	15.8		93.8	
2.3	23.1		92.9	
2.2	22		93.6	
0.8	8.4		92.8	
2.4	23.7		93.2	
2.2	22.1		90.4	
2.4	24.3		93	
1.1	11		97.4	
1.2	12.1		96.6	
0.7	6.7		92.6	
0.6	6.4		92.9	
0.5	4.8		92.2	
0.7	7.5	8.66	95.2	
0.6	5.8		91.1	
0.4	4.3		93.9	
0.9	8.9		95.7	
1.8	18.1		96.7	
2.5	24.8		96.7	
2.2	22		96.7	
2	20.3		97.1	
1.6	15.8		97	
0.9	9.4		96.7	
1.1	11.2		96.5	
1.9	19.4		96.1	
1	10		97.2	
1.3	12.6		92.9	
1.6	16.3		92.1	
1.5	15.3		95.7	
1.2	12.5		93.5	
1.2	11.9		95.2	
0.7	7.2		98.2	
0.8	8.4		96.9	
0.9	8.7		95	
1.5	14.6		95.3	
1.2	11.9		92	
1.2	11.9		96.2	

%_Gas_Loss	Gas_Plus_Loss_Wt %
	1.9
	1.5
	0.8
	1.2
	0.8
	0.7
	1
	0
	1.1
	3.4
	1.8
	2
	1.5
	2.1
	1.7
	6
	1.3
	1.1
	1.2
	1.9
	1.8
	1.7
	0.9
	2.2
	1.6
	1.7
	1
	1.2
	1
	0.9
	1.3
	1.8
	1.4
	1.3
	1.3
	2
	1.8
	1.3
	0.9
	0.6
	0.2
	0.2
	0.5
	0.3
	1
	1.1

Dh_Fischer	Dh_Sample_Id	Refe	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t s
370	1162	11	0.884	2.8	31.7
371	1163	11	0.884	2	22.8
372	1166	11	0.884	2.2	24.9
373	1167	11	0.859	2.2	25.4
374	1168	11	0.859	3.5	40.5
375	1171	11	0.858	4.9	57.4
376	1172	11	0.857	2.9	34.2

%_Water_Yield	Water_Yield_(l/t)	Bulk_Density	Shale_Wt_%	Total_Loss_(g/100g
1.4	14.1		95.7	
2.4	23.7		94.8	
2	20.4		94	
2.9	29.2		92.3	
2.5	25		91.9	
1.1	10.8		92.5	
0.7	7.2		94.7	

%_Gas_Loss	Gas_Plus_Loss_Wt %
	0.1
	0.8
	1.8
	2.6
	2.1
	1.5
	1.7

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1	20	25	0.06	454	0.04	0.13	0.1	216.667	166.667
2	21	25	0.28	455	0.05	0.24	0.22	85.714	78.571
3	22	25	0.32	457	0.05	0.2	0.08	62.5	25
4	23	25	0.86	446	0.76	3.45	0.3	401.163	34.884
5	24	25	1.17	444	0.42	5.08	0.28	434.188	23.932
6	25	25	1.07	444	0.72	3.94	0.35	368.224	32.71
7	26	25	0.87	446	0.85	2.97	0.25	341.379	28.736
8	27	7	1.08	450	0.88	2.5	0.66	231.481	61.111
9	28	25	0.96	444	0.82	2.7	0.44	281.25	45.833
10	29	25	1.24	438	0.41	3.16	0.47	254.839	37.903
11	30	25	0.52	409	0.59	1.25	0.37	240.385	71.154
12	31	25	1.34	453	1.15	1.58	0.35	117.91	26.119
13	32	7	1.14	411	1.89	1.9	0.36	166.667	31.579
14	33	25	0.95	457	0.49	0.97	0.36	102.105	37.895
15	34	7	1.32	420	0.55	0.39	0.17	29.545	12.879
16	94	3	1.57	442	0.66	11.61	0.24	739.49	15.287
17	95	3	1.21	443	0.68	7.68	0.23	634.711	19.008
18	96	3	1.82	438	1.59	12.67	0.28	696.154	15.385
19	97	3	4.51	448	2.23	44.53	0.3	987.361	6.652
23	110	4	0.51	416	0.02	0.14	0.03	27.451	5.882
24	111	4	0.54	368	0.48	0.72	0.11	133.333	20.37
25	112	4	0.33	330	0.01	0.06	0.08	18.182	24.242
26	113	4	0.39		0	0.04	0.11	10.256	28.205
27	114	4	0.11	333	0.01	0.04	0.14	36.364	127.273
28	127	1		445	1.09	55.52	1.92		
29	128	1		448	2.76	85.91	2.18		
30	129	1		443	0.73	32.24	1.41		
31	130	7	30.11	443	2.13	116.61	1.28	387.28	4.251
32	138	4	1.88	447	0.25	5.07	0.49	269.681	26.064
33	139	4	1.37	447	0.38	4.07	0.33	297.08	24.088
36	143	4	0.76	475	0.09	0.04	0.16	5.263	21.053
37	144	4	0.72	453	0.13	0.52	0.26	72.222	36.111
38	146	4	0.52	449	0.02	0.02	0.12	3.846	23.077
39	147	4	0.35		0.07	0.01	0.17	2.857	48.571
40	148	4	0.85	453	0.09	0.31	0.17	36.471	20
41	149	4	0.66	453	0.05	0.17	0.14	25.758	21.212
42	150	4	0.72	447	0.2	0.65	0.27	90.278	37.5
43	151	4	1.82	446	0.61	4.87	0.39	267.582	21.429
44	152	4	0.54	452	0.07	0.12	0.26	22.222	48.148
45	153	4	0.66	448	0.11	0.53	0.57	80.303	86.364
46	155	4	0.45	450	0.04	0.05	0.16	11.111	35.556
47	164	7	0.18	402	0.35	0.13	0.13	72.222	72.222
48	165	7	0.15	455	0	0.01	0.15	6.667	100
49	190	25	0.36	445	0.19	0.68	0.14	188.889	38.889

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.04	0.17	0.235	0.014	1.3
0.05	0.29	0.172	0.024	1.091
0.05	0.25	0.2	0.021	2.5
0.76	4.21	0.181	0.349	11.5
0.42	5.5	0.076	0.456	18.143
0.72	4.66	0.155	0.387	11.257
0.85	3.82	0.223	0.317	11.88
0.88	3.38	0.26	0.281	3.788
0.82	3.52	0.233	0.292	6.136
0.41	3.57	0.115	0.296	6.723
0.59	1.84	0.321	0.153	3.378
1.15	2.73	0.421	0.227	4.514
1.89	3.79	0.499	0.315	5.278
0.49	1.46	0.336	0.121	2.694
0.55	0.94	0.585	0.078	2.294
0.66	12.27	0.054	1.018	48.375
0.68	8.36	0.081	0.694	33.391
1.59	14.26	0.112	1.184	45.25
2.23	46.76	0.048	3.881	148.433
0.02	0.16	0.125	0.013	4.667
0.48	1.2	0.4	0.1	6.545
0.01	0.07	0.143	0.006	0.75
0	0.04	0	0.003	0.364
0.01	0.05	0.2	0.004	0.286
1.09	56.61	0.019	4.699	28.917
2.76	88.67	0.031	7.36	39.408
0.73	32.97	0.022	2.737	22.865
2.13	118.74	0.018	9.855	91.102
0.25	5.32	0.047	0.442	10.347
0.38	4.45	0.085	0.369	12.333
0.09	0.13	0.692	0.011	0.25
0.13	0.65	0.2	0.054	2
0.02	0.04	0.5	0.003	0.167
0.07	0.08	0.875	0.007	0.059
0.09	0.4	0.225	0.033	1.824
0.05	0.22	0.227	0.018	1.214
0.2	0.85	0.235	0.071	2.407
0.61	5.48	0.111	0.455	12.487
0.07	0.19	0.368	0.016	0.462
0.11	0.64	0.172	0.053	0.93
0.04	0.09	0.444	0.007	0.312
0.35	0.48	0.729	0.04	1
0	0.01	0	0.001	0.067
0.19	0.87	0.218	0.072	4.857

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbc	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
50	191	25	0.3	444	0.12	0.39	0.55	130	183.333
51	192	25	0.41	436	0.09	0.62	0.1	151.22	24.39
52	193	25	0.25	448	0.08	0.44	0.03	176	12
53	194	25	0.34	447	0.05	0.24	0.13	70.588	38.235
54	195	25	0.28	448	0.15	0.51	0.09	182.143	32.143
55	196	25	0.28	449	0.17	0.39	0.08	139.286	28.571
56	197	25	0.26	444	0.43	0.66	0.1	253.846	38.462
57	198	25	0.49	448	0.56	1.19	0.22	242.857	44.898
58	199	25	1.11	447	1.23	3.8	0.24	342.342	21.622
59	200	25	0.91	448	1.19	2.41	0.17	264.835	18.681
60	201	25	1.37	447	1.36	4.21	0.25	307.299	18.248
61	202	25	2.22	449	1.37	8.89	0.22	400.45	9.91
62	203	25	0.81	448	0.97	2	0.26	246.914	32.099
63	204	25	1.05	454	1.2	2.03	0.34	193.333	32.381
64	205	25	1.12	446	1.26	2.68	0.27	239.286	24.107
65	206	25	0.89	450	1.13	1.71	0.28	192.135	31.461
66	207	25	1.02	454	1.46	1.71	0.19	167.647	18.627
67	208	25	1.01	450	1.12	1.69	0.23	167.327	22.772
68	209	25	1.16	452	1.42	2.29	0.22	197.414	18.966
69	210	25	0.8	461	0.82	0.95	0.21	118.75	26.25
70	211	25	1.16	460	0.52	1.39	0.22	119.828	18.966
71	212	25	0.78	460	0.69	0.81	0.18	103.846	23.077
72	213	25	0.58	459	0.54	0.53	0.19	91.379	32.759
73	214	25	0.67	452	0.6	0.9	0.16	134.328	23.881
74	215	25	0.17	451	0.14	0.13	0.06	76.471	35.294
75	216	25	0.14	458	0.08	0.08	0.06	57.143	42.857
76	217	25	0.62	445	0.39	1.3	0.25	209.677	40.323
77	233	16	0.19	440	0.07	0.25	0.31	131.579	163.158
78	234	16	0.71	436	0.23	1.17	0.98	164.789	138.028
79	235	16	0.36	440	0.14	0.61	0.47	169.444	130.556
80	236	16	0.18	443	0.05	0.21	0.34	116.667	188.889
81	237	16	0.15	444	0.04	0.15	0.42	100	280
93	249	16	0.35	433	0.08	0.22	0.17	62.857	48.571
94	250	16	0.39	431	0.08	0.26	0.15	66.667	38.462
95	251	16	0.53	437	0.16	0.57	0.21	107.547	39.623
96	252	16	0.98	437	0.49	2.28	0.74	232.653	75.51
97	253	16	0.37	433	0.09	0.2	0.18	54.054	48.649
98	520	25	0.44	452	0.31	0.23	0.16	52.273	36.364
99	521	25	0.22	472	0.08	0.12	0.13	54.545	59.091
100	522	25	0.61	469	0.2	0.19	0.16	31.148	26.23
101	523	25	2.46	465	0.57	0.62	0.18	25.203	7.317
102	524	4	1.57	498	0.1	0.22	0.26	14.013	16.561
103	525	4	0.74	486	0.19	0.3	0.28	40.541	37.838
104	526	4	0.88	500	0.09	0.19	0.18	21.591	20.455

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.12	0.51	0.235	0.042	0.709
0.09	0.71	0.127	0.059	6.2
0.08	0.52	0.154	0.043	14.667
0.05	0.29	0.172	0.024	1.846
0.15	0.66	0.227	0.055	5.667
0.17	0.56	0.304	0.046	4.875
0.43	1.09	0.394	0.09	6.6
0.56	1.75	0.32	0.145	5.409
1.23	5.03	0.245	0.417	15.833
1.19	3.6	0.331	0.299	14.176
1.36	5.57	0.244	0.462	16.84
1.37	10.26	0.134	0.852	40.409
0.97	2.97	0.327	0.247	7.692
1.2	3.23	0.372	0.268	5.971
1.26	3.94	0.32	0.327	9.926
1.13	2.84	0.398	0.236	6.107
1.46	3.17	0.461	0.263	9
1.12	2.81	0.399	0.233	7.348
1.42	3.71	0.383	0.308	10.409
0.82	1.77	0.463	0.147	4.524
0.52	1.91	0.272	0.159	6.318
0.69	1.5	0.46	0.124	4.5
0.54	1.07	0.505	0.089	2.789
0.6	1.5	0.4	0.124	5.625
0.14	0.27	0.519	0.022	2.167
0.08	0.16	0.5	0.013	1.333
0.39	1.69	0.231	0.14	5.2
0.07	0.32	0.219	0.027	0.806
0.23	1.4	0.164	0.116	1.194
0.14	0.75	0.187	0.062	1.298
0.05	0.26	0.192	0.022	0.618
0.04	0.19	0.211	0.016	0.357
0.08	0.3	0.267	0.025	1.294
0.08	0.34	0.235	0.028	1.733
0.16	0.73	0.219	0.061	2.714
0.49	2.77	0.177	0.23	3.081
0.09	0.29	0.31	0.024	1.111
0.31	0.54	0.574	0.045	1.438
0.08	0.2	0.4	0.017	0.923
0.2	0.39	0.513	0.032	1.188
0.57	1.19	0.479	0.099	3.444
0.1	0.32	0.312	0.027	0.846
0.19	0.49	0.388	0.041	1.071
0.09	0.28	0.321	0.023	1.056

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
105	527	4	0.3	433	0.08	0.19	0.24	63.333	80
106	528	4	0.32	425	0.06	0.01	0.19	3.125	59.375
107	529	4	0.76	522	0.09	0.15	0.28	19.737	36.842
108	530	25	0.34	413	0.06	0.01	0.23	2.941	67.647
109	531	25	0.43	476	0.11	0.08	0.2	18.605	46.512
110	532	25	0.3	433	0.07	0.24	0.32	80	106.667
111	547	3	8.76	444	8.67	85.94	0.41	981.05	4.68
112	548	3	2.93	440	4.31	21.97	0.23	749.829	7.85
113	549	3	5.62	441	10.84	54.45	0.21	968.861	3.737
114	550	3	12.06	446	12.82	118.68	0.25	984.08	2.073
115	551	3	8.4	439	9.76	82.62	0.21	983.571	2.5
116	552	3	4.39	443	5.23	42.05	0.18	957.859	4.1
117	553	3	10.64	450	10.79	105.36	0.31	990.226	2.914
118	554	3	8.73	445	12.84	87.13	0.29	998.053	3.322
119	555	3	5.53	447	7.49	54.15	0.2	979.204	3.617
120	556	3	12.23	452	11.04	105.78	0.47	864.922	3.843
121	557	3	11.72	443	13.12	115.34	0.32	984.13	2.73
122	558	3	3.16	441	7	18.6	0.44	588.608	13.924
123	559	3	8.55	443	12.38	83.55	0.33	977.193	3.86
124	560	3	3.1	441	4.58	27.78	0.32	896.129	10.323
125	561	3	2.95	440	3.85	14.86	0.44	503.729	14.915
126	562	3	11.9	445	7.34	101.38	0.45	851.933	3.782
127	563	3	12.35	445	8.54	118.39	0.32	958.623	2.591
128	564	3	1.96	442	2.4	17.44	0.35	889.796	17.857
129	565	3	11.91	450	5.44	99.27	0.36	833.501	3.023
130	566	3	6.09	446	5.98	58.57	0.36	961.741	5.911
131	567	3	6.46	451	5.96	60.65	0.27	938.854	4.18
132	568	3	8.53	450	6.27	54.58	0.31	639.859	3.634
133	569	3	9.88	448	4.66	81.97	0.32	829.656	3.239
134	570	3	9.33	449	5.61	92.31	0.35	989.389	3.751
135	571	3	3.68	442	3.56	33.08	0.38	898.913	10.326
136	572	3	8.14	450	5.45	67.58	0.42	830.221	5.16
137	573	3	2.21	442	2.99	10.76	0.47	486.878	21.267
138	574	3	15.76	447	13.82	118.43	0.41	751.459	2.602
139	576	3	6.23	440	7.83	49.82	0.37	799.679	5.939
140	577	3	1.37	442	3.12	12.14	0.33	886.131	24.088
141	578	3	4.2	447	4.52	34.45	0.42	820.238	10
142	579	3	3.56	443	5.43	31.26	0.32	878.09	8.989
143	580	3	8.04	449	9.61	69.05	0.35	858.831	4.353
144	581	3	11.18	448	11.94	98.65	0.35	882.379	3.131
145	582	3	9.5	446	11.67	82.19	0.36	865.158	3.789
146	258	28	1.17	448	0.21	2.84	0.43	242.735	36.752
147	301	16	0.5	441	0.12	0.48	0.17	96	34
148	302	16	0.65	438	0.27	1.12	0.53	172.308	81.538

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.08	0.27	0.296	0.022	0.792
0.06	0.07	0.857	0.006	0.053
0.09	0.24	0.375	0.02	0.536
0.06	0.07	0.857	0.006	0.043
0.11	0.19	0.579	0.016	0.4
0.07	0.31	0.226	0.026	0.75
8.67	94.61	0.092	7.853	209.61
4.31	26.28	0.164	2.181	95.522
10.84	65.29	0.166	5.419	259.286
12.82	131.5	0.097	10.914	474.72
9.76	92.38	0.106	7.668	393.429
5.23	47.28	0.111	3.924	233.611
10.79	116.15	0.093	9.64	339.871
12.84	99.97	0.128	8.298	300.448
7.49	61.64	0.122	5.116	270.75
11.04	116.82	0.095	9.696	225.064
13.12	128.46	0.102	10.662	360.438
7	25.6	0.273	2.125	42.273
12.38	95.93	0.129	7.962	253.182
4.58	32.36	0.142	2.686	86.812
3.85	18.71	0.206	1.553	33.773
7.34	108.72	0.068	9.024	225.289
8.54	126.93	0.067	10.535	369.969
2.4	19.84	0.121	1.647	49.829
5.44	104.71	0.052	8.691	275.75
5.98	64.55	0.093	5.358	162.694
5.96	66.61	0.089	5.529	224.63
6.27	60.85	0.103	5.051	176.065
4.66	86.63	0.054	7.19	256.156
5.61	97.92	0.057	8.127	263.743
3.56	36.64	0.097	3.041	87.053
5.45	73.03	0.075	6.061	160.905
2.99	13.75	0.217	1.141	22.894
13.82	132.25	0.104	10.977	288.854
7.83	57.65	0.136	4.785	134.649
3.12	15.26	0.204	1.267	36.788
4.52	38.97	0.116	3.235	82.024
5.43	36.69	0.148	3.045	97.688
9.61	78.66	0.122	6.529	197.286
11.94	110.59	0.108	9.179	281.857
11.67	93.86	0.124	7.79	228.306
0.21	3.05	0.069	0.253	6.605
0.12	0.6	0.2	0.05	2.824
0.27	1.39	0.194	0.115	2.113

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
149	303	16	0.41	432	0.17	0.57	0.71	139.024	173.171
150	304	16	0.53	440	0.23	0.98	0.52	184.906	98.113
151	305	16	0.53	438	0.29	1.07	0.51	201.887	96.226
152	306	16	0.51	443	0.12	0.33	0.21	64.706	41.176
153	307	16	0.44	441	0.07	0.22	0.16	50	36.364
154	308	16	0.38	443	0.06	0.18	0.12	47.368	31.579
155	309	16	0.62	439	0.2	0.88	0.64	141.935	103.226
156	310	16	0.45	430	0.15	0.47	0.17	104.444	37.778
157	311	16	0.37	432	0.13	0.37	0.18	100	48.649
158	312	16	0.43	428	0.1	0.29	0.18	67.442	41.86
159	313	16	0.33	446	0.04	0.12	0.18	36.364	54.545
160	314	16	0.41	445	0.08	0.21	0.18	51.22	43.902
161	315	16	0.29	434	0.05	0.1	0.15	34.483	51.724
162	316	16	0.33	456	0.04	0.12	0.11	36.364	33.333
163	317	16	0.58	440	0.09	0.45	0.14	77.586	24.138
164	318	16	0.34	432	0.06	0.14	0.23	41.176	67.647
165	319	16	0.36	437	0.06	0.19	0.2	52.778	55.556
166	320	16	0.93	439	0.28	1.44	0.73	154.839	78.495
167	321	16	0.56	429	0.16	0.84	0.2	150	35.714
168	322	16	0.42	438	0.12	0.37	0.23	88.095	54.762
169	323	16	0.35	440	0.08	0.35	0.09	100	25.714
170	324	16	0.36	444	0.06	0.23	0.13	63.889	36.111
171	325	16	0.39	436	0.16	0.42	0.19	107.692	48.718
172	326	16	0.63	425	0.67	1.08	0.39	171.429	61.905
173	327	16	0.55	434	0.24	0.86	0.73	156.364	132.727
174	328	16	0.38	438	0.11	0.23	0.2	60.526	52.632
175	329	16	0.39	435	0.11	0.39	0.28	100	71.795
176	330	16	0.48	436	0.16	0.51	0.33	106.25	68.75
177	331	16	0.41	433	0.06	0.2	0.19	48.78	46.341
178	332	16	0.45	425	0.26	0.48	0.19	106.667	42.222
179	333	16	0.49	437	0.17	0.56	0.24	114.286	48.98
180	334	16	0.35	435	0.09	0.28	0.29	80	82.857
181	335	16	0.34	435	0.1	0.29	0.29	85.294	85.294
182	336	16	0.39	437	0.15	0.29	0.12	74.359	30.769
183	337	16	0.28	441	0.06	0.18	0.12	64.286	42.857
184	338	16	0.36	436	0.09	0.27	0.22	75	61.111
185	339	16	0.39	440	0.09	0.26	0.19	66.667	48.718
186	340	16	0.4	435	0.12	0.4	0.2	100	50
187	341	16	0.39	435	0.13	0.33	0.29	84.615	74.359
188	342	16	0.41	402	0.1	0.25	0.2	60.976	48.78
189	343	16	0.17	430	0.13	0.17	0.17	100	100
190	344	16	0.59	443	0.17	1.19	0.16	201.695	27.119
191	345	16	0.6	437	0.2	1	0.62	166.667	103.333
192	346	16	0.39	440	0.06	0.24	0.16	61.538	41.026

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.17	0.74	0.23	0.061	0.803
0.23	1.21	0.19	0.1	1.885
0.29	1.36	0.213	0.113	2.098
0.12	0.45	0.267	0.037	1.571
0.07	0.29	0.241	0.024	1.375
0.06	0.24	0.25	0.02	1.5
0.2	1.08	0.185	0.09	1.375
0.15	0.62	0.242	0.051	2.765
0.13	0.5	0.26	0.042	2.056
0.1	0.39	0.256	0.032	1.611
0.04	0.16	0.25	0.013	0.667
0.08	0.29	0.276	0.024	1.167
0.05	0.15	0.333	0.012	0.667
0.04	0.16	0.25	0.013	1.091
0.09	0.54	0.167	0.045	3.214
0.06	0.2	0.3	0.017	0.609
0.06	0.25	0.24	0.021	0.95
0.28	1.72	0.163	0.143	1.973
0.16	1	0.16	0.083	4.2
0.12	0.49	0.245	0.041	1.609
0.08	0.43	0.186	0.036	3.889
0.06	0.29	0.207	0.024	1.769
0.16	0.58	0.276	0.048	2.211
0.67	1.75	0.383	0.145	2.769
0.24	1.1	0.218	0.091	1.178
0.11	0.34	0.324	0.028	1.15
0.11	0.5	0.22	0.042	1.393
0.16	0.67	0.239	0.056	1.545
0.06	0.26	0.231	0.022	1.053
0.26	0.74	0.351	0.061	2.526
0.17	0.73	0.233	0.061	2.333
0.09	0.37	0.243	0.031	0.966
0.1	0.39	0.256	0.032	1
0.15	0.44	0.341	0.037	2.417
0.06	0.24	0.25	0.02	1.5
0.09	0.36	0.25	0.03	1.227
0.09	0.35	0.257	0.029	1.368
0.12	0.52	0.231	0.043	2
0.13	0.46	0.283	0.038	1.138
0.1	0.35	0.286	0.029	1.25
0.13	0.3	0.433	0.025	1
0.17	1.36	0.125	0.113	7.437
0.2	1.2	0.167	0.1	1.613
0.06	0.3	0.2	0.025	1.5

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
193	347	16	0.49	435	0.15	0.53	0.34	108.163	69.388
194	348	16	0.33	423	0.11	0.39	0.37	118.182	112.121
195	349	7	0.26	461	0.01	0.02	0.02	7.692	7.692
196	350	7	1.14	468	0.32	0.65	0.1	57.018	8.772
197	351	7	0.21	392	0.02	0.07	0.02	33.333	9.524
198	360	7	2.28	451	2.9	10.95	0.71	480.263	31.14
199	361	25	0.39	437	0.07	0.25	0.29	64.103	74.359
200	362	25	0.54	442	0.14	0.71	0.76	131.481	140.741
201	363	25	1.74	446	1.19	7.62	0.45	437.931	25.862
202	364	25	1.19	451	0.38	1.6	0.54	134.454	45.378
203	365	25	1.68	447	1.87	5.5	0.26	327.381	15.476
204	366	25	2.45	449	1.27	7.32	0.3	298.776	12.245
205	367	25	3.32	451	1.55	10.5	0.4	316.265	12.048
206	368	25	1.49	441	1.44	3.75	0.34	251.678	22.819
207	369	25	0.37	442	0.11	0.23	0.25	62.162	67.568
208	370	25		451	0.03	0.05	0.16		
210	372	25		448	0.3	2.35	0.19		
211	373	25			0.22	0.86	0.19		
212	374	25		448	0.12	1.62	0.2		
213	375	25			0.25	1.04	0.3		
214	376	25		443	0.08	0.49	0.21		
216	378	25		444	0.45	1.8	0.23		
217	379	25		446	0.88	3.33	0.2		
218	380	25		436	0.31	0.86	0.2		
219	381	25		448	0.6	3.96	0.22		
220	382	25		442	1.37	9.42	0.25		
221	383	25			0.67	5.24	0.26		
222	384	25		443	0.8	6.48	0.23		
224	387	25			0.4	0.95	0.17		
225	388	25	0.51	439	0.19	0.92	2.07	180.392	405.882
226	389	25		446	0.39	1.02	0.2		
227	390	25	0.34	443	0.03	0.25	0.69	73.529	202.941
228	391	25		443	0.39	2.57	0.12		
229	392	25		447	0.18	1.04	0.15		
230	393	25		441	0.16	0.59	0.09		
231	394	25		452	0.27	1.82	0.14		
232	395	25		441	0.87	3.16	0.1		
233	396	25		452	0.61	4.3	0.18		
234	397	25		442	0.21	0.95	0.11		
236	399	25		450	0.44	2.44	0.18		
237	401	25	0.44	447	0.09	0.5	0.88	113.636	200
238	402	25		451	2.24	10.31	3.34		
239	403	25		445	1.53	16.05	0.47		
240	404	25		451	2.62	11.04	0.37		

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.15	0.68	0.221	0.056	1.559
0.11	0.5	0.22	0.042	1.054
0.01	0.03	0.333	0.002	1
0.32	0.97	0.33	0.081	6.5
0.02	0.09	0.222	0.007	3.5
2.9	13.85	0.209	1.15	15.423
0.07	0.32	0.219	0.027	0.862
0.14	0.85	0.165	0.071	0.934
1.19	8.81	0.135	0.731	16.933
0.38	1.98	0.192	0.164	2.963
1.87	7.37	0.254	0.612	21.154
1.27	8.59	0.148	0.713	24.4
1.55	12.05	0.129	1	26.25
1.44	5.19	0.277	0.431	11.029
0.11	0.34	0.324	0.028	0.92
0.03	0.08	0.375	0.007	0.312
0.3	2.65	0.113	0.22	12.368
0.22	1.08	0.204	0.09	4.526
0.12	1.74	0.069	0.144	8.1
0.25	1.29	0.194	0.107	3.467
0.08	0.57	0.14	0.047	2.333
0.45	2.25	0.2	0.187	7.826
0.88	4.21	0.209	0.349	16.65
0.31	1.17	0.265	0.097	4.3
0.6	4.56	0.132	0.378	18
1.37	10.79	0.127	0.896	37.68
0.67	5.91	0.113	0.491	20.154
0.8	7.28	0.11	0.604	28.174
0.4	1.35	0.296	0.112	5.588
0.19	1.11	0.171	0.092	0.444
0.39	1.41	0.277	0.117	5.1
0.03	0.28	0.107	0.023	0.362
0.39	2.96	0.132	0.246	21.417
0.18	1.22	0.148	0.101	6.933
0.16	0.75	0.213	0.062	6.556
0.27	2.09	0.129	0.173	13
0.87	4.03	0.216	0.334	31.6
0.61	4.91	0.124	0.408	23.889
0.21	1.16	0.181	0.096	8.636
0.44	2.88	0.153	0.239	13.556
0.09	0.59	0.153	0.049	0.568
2.24	12.55	0.178	1.042	3.087
1.53	17.58	0.087	1.459	34.149
2.62	13.66	0.192	1.134	29.838

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
241	405	25		441	2.31	5.56	0.3		
243	408	25	2.15	448	1.63	8.45	1.23	393.023	57.209
244	409	25		442	2.05	6.28	0.27		
248	413	25		437	1.78	4.24	0.37		
249	414	25	0.96	446	0.59	2.48	1.31	258.333	136.458
250	415	25		445	1.24	2.31	0.27		
251	416	25		445	1.54	3.53	0.22		
252	417	25	1.18	446	1.17	3.48	1.12	294.915	94.915
253	419	25		452	1.74	4.39	0.28		
254	420	25		450	2.18	6.6	0.13		
255	421	25		440	2.46	5.34	0.25		
256	422	25	1.41	439	1.56	5.41	1.39	383.688	98.582
257	423	25			1.34	2.36	0.13		
258	424	25		442	0.81	2.42	0.31		
259	425	25		445	0.95	2.13	0.29		
260	426	25		444	1.06	2.06	0.31		
261	427	25			2.23	3.35	0.17		
262	428	25		446	0.67	1.48	0.27		
263	429	25		452	0.81	2.08	0.16		
264	430	25		443	0.5	1.17	0.35		
265	431	25		452	0.72	1.6	0.14		
267	433	25	0.83	445	0.42	1.33	0.99	160.241	119.277
268	434	25		443	0.85	1.93	0.28		
269	436	25	1.05	441	0.57	1.56	1.19	148.571	113.333
270	437	25		456	0.76	1.49	0.11		
271	438	25		446	1	2.32	0.3		
272	439	25		452	0.58	1.54	0.12		
273	440	25		443	0.3	1.02	0.31		
274	441	25		453	0.38	1.12	0.17		
275	442	25		451	0.73	0.83	0.11		
276	443	25		452	0.25	1	0.1		
277	444	25	0.53	445	0.17	0.27	0.25	50.943	47.17
278	445	25	0.57	446	0.19	0.47	0.37	82.456	64.912
280	447	25	1.14	446	0.27	2.51	0.47	220.175	41.228
282	450	25		433	0.04	0.14	0.24		
283	451	25			0.03	0.05	0.22		
284	452	25	1.02	450	0.26	3.49	1.49	342.157	146.078
285	453	25	0.36	437	0.09	0.3	0.28	83.333	77.778
286	455	25	2.9	450	1.9	16.62	1.46	573.103	50.345
287	457	25		446	0.29	1.86	0.26		
288	458	25		450	0.2	1.9	0.42		
289	459	25		449	0.41	3.05	0.31		
290	460	25		448	1.26	6.72	0.34		
293	464	25	0.47	449	0.13	0.43	0.23	91.489	48.936

HC_Shows	HC_Potentia	PI	PC	S2/S3
2.31	7.87	0.294	0.653	18.533
1.63	10.08	0.162	0.837	6.87
2.05	8.33	0.246	0.691	23.259
1.78	6.02	0.296	0.5	11.459
0.59	3.07	0.192	0.255	1.893
1.24	3.55	0.349	0.295	8.556
1.54	5.07	0.304	0.421	16.045
1.17	4.65	0.252	0.386	3.107
1.74	6.13	0.284	0.509	15.679
2.18	8.78	0.248	0.729	50.769
2.46	7.8	0.315	0.647	21.36
1.56	6.97	0.224	0.579	3.892
1.34	3.7	0.362	0.307	18.154
0.81	3.23	0.251	0.268	7.806
0.95	3.08	0.308	0.256	7.345
1.06	3.12	0.34	0.259	6.645
2.23	5.58	0.4	0.463	19.706
0.67	2.15	0.312	0.178	5.481
0.81	2.89	0.28	0.24	13
0.5	1.67	0.299	0.139	3.343
0.72	2.32	0.31	0.193	11.429
0.42	1.75	0.24	0.145	1.343
0.85	2.78	0.306	0.231	6.893
0.57	2.13	0.268	0.177	1.311
0.76	2.25	0.338	0.187	13.545
1	3.32	0.301	0.276	7.733
0.58	2.12	0.274	0.176	12.833
0.3	1.32	0.227	0.11	3.29
0.38	1.5	0.253	0.124	6.588
0.73	1.56	0.468	0.129	7.545
0.25	1.25	0.2	0.104	10
0.17	0.44	0.386	0.037	1.08
0.19	0.66	0.288	0.055	1.27
0.27	2.78	0.097	0.231	5.34
0.04	0.18	0.222	0.015	0.583
0.03	0.08	0.375	0.007	0.227
0.26	3.75	0.069	0.311	2.342
0.09	0.39	0.231	0.032	1.071
1.9	18.52	0.103	1.537	11.384
0.29	2.15	0.135	0.178	7.154
0.2	2.1	0.095	0.174	4.524
0.41	3.46	0.118	0.287	9.839
1.26	7.98	0.158	0.662	19.765
0.13	0.56	0.232	0.046	1.87

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
294	465	25		450	0.72	1.99	0.31		
295	466	25		448	1.13	2.82	0.21		
296	467	25	5.76	451	3.72	39.87	2.2	692.188	38.194
297	468	25	2.5	453	2.18	12.56	1.15	502.4	46
298	470	25		449	2.16	4.42	0.24		
299	471	25		450	1.59	3.95	0.31		
300	472	25		445	3.32	7.92	0.26		
301	473	25		444	4.13	10.7	0.26		
302	475	25		448	2.14	5.35	0.25		
303	476	25		452	1.1	3.04	0.27		
305	478	25		451	1.75	4.57	0.21		
306	479	25		452	2.49	8.85	0.22		
307	481	25	0.56	451	0.24	0.73	1.34	130.357	239.286
308	482	25		449	1.92	5.51	0.22		
309	483	25		450	1.76	10.18	0.24		
310	484	25		450	0.89	2	0.2		
311	486	25		450	0.95	2.91	0.25		
312	487	25		454	0.27	1.21	0.27		
313	488	25		451	0.74	1.5	0.27		
314	489	25		451	0.57	1.56	0.25		
315	490	25	1.23	448	1.18	4.16	1.56	338.211	126.829
316	491	25		445	0.35	0.82	0.18		
317	493	25		453	0.93	1.6	0.21		
318	494	25		451	0.84	1.19	0.22		
319	495	25		452	0.43	0.89	0.25		
320	496	25		455	0.6	1.06	0.1		
321	497	25		449	0.54	1.8	0.11		
322	499	25		456	0.29	0.85	0.06		
323	500	25		457	0.31	1.06	0.1		
324	501	25	0.81	445	0.78	1.93	1.62	238.272	200
325	502	25	1.25	447	0.52	1.61	0.34	128.8	27.2
326	505	25	0.09	355	0.01	0.04	0.1	44.444	111.111
327	506	28	0.24		0.01	0	0.24	0	100
328	507	25	0.14	415	0.01	0.01	0.12	7.143	85.714
329	508	25	0.06	345	0.01	0.01	0.13	16.667	216.667
330	509	25	0.35	428	0.14	0.23	0.38	65.714	108.571
331	510	25	0.84	448	0.77	1.17	0.32	139.286	38.095
332	511	25	0.31	468	0.08	0.27	0.18	87.097	58.065
333	512	28	0.17		0.04	0	0.19	0	111.765
334	513	25	0.37	450	0.17	0.15	0.24	40.541	64.865
335	514	25	0.55	449	0.3	0.23	0.34	41.818	61.818
336	515	25	1.08	465	0.51	0.71	0.29	65.741	26.852
337	516	25	0.68	463	0.45	0.5	0.24	73.529	35.294
338	517	25	0.73	456	0.45	0.48	0.29	65.753	39.726

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.72	2.71	0.266	0.225	6.419
1.13	3.95	0.286	0.328	13.429
3.72	43.59	0.085	3.618	18.123
2.18	14.74	0.148	1.223	10.922
2.16	6.58	0.328	0.546	18.417
1.59	5.54	0.287	0.46	12.742
3.32	11.24	0.295	0.933	30.462
4.13	14.83	0.278	1.231	41.154
2.14	7.49	0.286	0.622	21.4
1.1	4.14	0.266	0.344	11.259
1.75	6.32	0.277	0.525	21.762
2.49	11.34	0.22	0.941	40.227
0.24	0.97	0.247	0.081	0.545
1.92	7.43	0.258	0.617	25.045
1.76	11.94	0.147	0.991	42.417
0.89	2.89	0.308	0.24	10
0.95	3.86	0.246	0.32	11.64
0.27	1.48	0.182	0.123	4.481
0.74	2.24	0.33	0.186	5.556
0.57	2.13	0.268	0.177	6.24
1.18	5.34	0.221	0.443	2.667
0.35	1.17	0.299	0.097	4.556
0.93	2.53	0.368	0.21	7.619
0.84	2.03	0.414	0.168	5.409
0.43	1.32	0.326	0.11	3.56
0.6	1.66	0.361	0.138	10.6
0.54	2.34	0.231	0.194	16.364
0.29	1.14	0.254	0.095	14.167
0.31	1.37	0.226	0.114	10.6
0.78	2.71	0.288	0.225	1.191
0.52	2.13	0.244	0.177	4.735
0.01	0.05	0.2	0.004	0.4
0.01	0.01	1	0.001	
0.01	0.02	0.5	0.002	0.083
0.01	0.02	0.5	0.002	0.077
0.14	0.37	0.378	0.031	0.605
0.77	1.94	0.397	0.161	3.656
0.08	0.35	0.229	0.029	1.5
0.04	0.04	1	0.003	
0.17	0.32	0.531	0.027	0.625
0.3	0.53	0.566	0.044	0.676
0.51	1.22	0.418	0.101	2.448
0.45	0.95	0.474	0.079	2.083
0.45	0.93	0.484	0.077	1.655

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
339	518	25	0.76	455	0.48	0.48	0.28	63.158	36.842
340	519	25	0.59	453	0.34	0.33	0.26	55.932	44.068
341	583	3	14.33	448	14.71	116.19	0.39	810.816	2.722
342	584	3	11.29	447	13.32	81.43	0.29	721.258	2.569
343	588	3	0.44	428	0.77	0.18	0.28	40.909	63.636
346	591	3	1.35	426	5.47	13.02	0.16	964.444	11.852
348	593	3	1.46	439	0.54	6.43	0.35	440.411	23.973
350	595	3	2.96	444	0.93	23.12	0.31	781.081	10.473
351	596	3	0.61	435	0.28	1.29	0.36	211.475	59.016
354	599	3	5.24	441	2.25	46.49	0.39	887.214	7.443
355	600	3	4.03	444	2.44	38.2	0.28	947.891	6.948
357	602	3	8.97	445	4.33	83.51	0.34	930.992	3.79
361	606	3	13.04	450	4.73	111.28	0.38	853.374	2.914
364	609	3	9.42	444	4.35	93.95	0.47	997.346	4.989
365	610	3	12.94	447	4.31	124.6	0.42	962.906	3.246
367	612	3	1.41	438	1.8	9.7	0.21	687.943	14.894
369	614	3	7.23	442	3.52	71.23	0.41	985.201	5.671
371	882	10	2.77	440	4.39	18.39		663.899	
372	883	10	0.9	447	0.33	4.03	1.1	447.778	122.222
373	883	10	0.86	446	0.3	3.88	1	451.163	116.279
374	885	10	8.5	446	4.12	80.77		950.235	
375	886	10	12.76	452	6.52	123.79	1.89	970.141	14.812
376	886	10	12.96	453	6.45	123.6	1.77	953.704	13.657
377	888	10	8.17	446	4.46	75.47		923.745	
378	889	10	8.76	445	5.52	78.83		899.886	
379	890	10	6.66	445	3.76	57.16		858.258	
380	891	10	13.55	447	6.33	131.6		971.218	
381	892	10	8.27	447	4.11	73.72		891.415	
382	893	10	11.22	446	6.25	108.22		964.528	
383	894	10	9.67	446	5.83	91.34		944.571	
384	894	10	12.81	452	6.44	122.79	2.02	958.548	15.769
385	894	10	12.39	453	6.1	119.18	1.93	961.905	15.577
386	897	10	6.87	445	3.83	62.13		904.367	
387	898	10	9.96	446	4.78	90.37		907.329	
388	899	10	11.35	447	4.87	110		969.163	
389	900	10	12.21	453	4.21	100.2	2.4	820.639	19.656
390	900	10	12.89	452	4.58	108.15	2.16	839.022	16.757
391	902	10	9.43	448	4.37	89.07		944.539	
392	903	10	11.23	445	6.21	106.28		946.394	
393	904	10	9.94	447	5.8	94.62		951.911	
394	905	10	6.19	442	5.27	50.68		818.74	
395	906	10	6.2	444	3.98	52.97		854.355	
396	907	10	2.93	443	4.34	19.07		650.853	
397	908	10	2.48	447	4.48	16.29	1.83	656.855	73.79

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.48	0.96	0.5	0.08	1.714
0.34	0.67	0.507	0.056	1.269
14.71	130.9	0.112	10.865	297.923
13.32	94.75	0.141	7.864	280.793
0.77	0.95	0.811	0.079	0.643
5.47	18.49	0.296	1.535	81.375
0.54	6.97	0.077	0.579	18.371
0.93	24.05	0.039	1.996	74.581
0.28	1.57	0.178	0.13	3.583
2.25	48.74	0.046	4.045	119.205
2.44	40.64	0.06	3.373	136.429
4.33	87.84	0.049	7.291	245.618
4.73	116.01	0.041	9.629	292.842
4.35	98.3	0.044	8.159	199.894
4.31	128.91	0.033	10.7	296.667
1.8	11.5	0.157	0.954	46.19
3.52	74.75	0.047	6.204	173.732
4.39	22.78	0.193	1.891	
0.33	4.36	0.076	0.362	3.664
0.3	4.18	0.072	0.347	3.88
4.12	84.89	0.049	7.046	
6.52	130.31	0.05	10.816	65.497
6.45	130.05	0.05	10.794	69.831
4.46	79.93	0.056	6.634	
5.52	84.35	0.065	7.001	
3.76	60.92	0.062	5.056	
6.33	137.93	0.046	11.448	
4.11	77.83	0.053	6.46	
6.25	114.47	0.055	9.501	
5.83	97.17	0.06	8.065	
6.44	129.23	0.05	10.726	60.787
6.1	125.28	0.049	10.398	61.751
3.83	65.96	0.058	5.475	
4.78	95.15	0.05	7.897	
4.87	114.87	0.042	9.534	
4.21	104.41	0.04	8.666	41.75
4.58	112.73	0.041	9.357	50.069
4.37	93.44	0.047	7.756	
6.21	112.49	0.055	9.337	
5.8	100.42	0.058	8.335	
5.27	55.95	0.094	4.644	
3.98	56.95	0.07	4.727	
4.34	23.41	0.185	1.943	
4.48	20.77	0.216	1.724	8.902

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
398	908	10	2.52	445	4.56	16.87	1.81	669.444	71.825
399	910	10	1.34	447	0.93	7.54	1.09	562.687	81.343
400	910	10	1.36	447	0.9	7.53	1.1	553.676	80.882
401	912	10	8.24	443	4.49	69.73		846.238	
402	913	10	5.43	445	3.69	43.92	1.38	808.84	25.414
403	616	3	10.97	448	4.84	81.14	0.55	739.654	5.014
405	618	28	2.76	448	0.66	14.94	0.29	541.304	10.507
406	619	28	1.21	444	1.05	3.29	0.39	271.901	32.231
409	622	28	3.29	447	1.85	19.14	0.58	581.763	17.629
413	626	3	6.89	443	3.43	68.34	0.38	991.872	5.515
414	627	3	3.09	436	1.46	15.76	0.6	510.032	19.417
415	628	3	4.71	443	2.61	42.83	0.36	909.342	7.643
416	629	3	2	440	1.23	11.94	0.4	597	20
417	630	3	9.16	445	6.03	85.5	0.42	933.406	4.585
418	643	3	8.57	445	11.39	74.29	0.39	866.861	4.551
419	644	3	7.97	445	10.88	77.46	0.34	971.895	4.266
420	645	3	6.57	446	8.2	64.16	0.31	976.56	4.718
421	646	3	5.77	440	8.59	51.28	0.24	888.735	4.159
422	647	3	6.83	450	11.09	65.99	0.21	966.179	3.075
423	648	3	19.72	448	12.87	146.05	0.34	740.619	1.724
424	649	3	16.44	450	10.96	118.03	0.27	717.944	1.642
425	650	3	12.14	449	9.68	94.07	0.19	774.876	1.565
426	651	3	24.69	445	13.97	157.19	0.23	636.655	0.932
427	652	3	9.28	451	9.09	79.55	0.43	857.22	4.634
428	654	3	5.22	445	6.46	47.33	0.25	906.705	4.789
429	655	3	3.93	444	6.48	34.15	0.21	868.957	5.344
430	656	3	8.46	447	10.15	66.09	0.43	781.206	5.083
431	658	3	8.59	446	11.14	65.49	0.34	762.398	3.958
432	659	3	2.07	436	7.38	18.33	0.21	885.507	10.145
433	660	2	1.64	427	4.9	12.97	0.75	790.854	45.732
434	661	2	0.65	428	1.83	2	0.52	307.692	80
435	662	3	7.37	446	10.5	60.01	0.48	814.247	6.513
436	663	2	5.37	441	2.38	31.14	0.92	579.888	17.132
437	664	3	5.99	443	11.45	56.04	0.5	935.559	8.347
438	665	2	5.32	445	3.86	33.44	1.03	628.571	19.361
439	666	2	7.54	442	6.36	41.32	1.04	548.011	13.793
440	667	3	2.45	439	8.33	19.63	0.21	801.224	8.571
441	668	2	3.77	445	2.28	19.51	1.02	517.507	27.056
442	669	2	3.12	444	2.43	14.05	0.88	450.321	28.205
443	670	3	7.77	444	13.57	75.27	0.39	968.726	5.019
444	671	2	8.39	448	6.35	48.27	0.92	575.328	10.965
445	672	2	2.26	440	2.37	10.48	0.71	463.717	31.416
446	673	2	14.82	449	7.86	100.09	1.18	675.371	7.962
447	674	2	2.69	442	2.12	13.79	0.68	512.639	25.279

HC_Shows	HC_Potentia	PI	PC	S2/S3
4.56	21.43	0.213	1.779	9.32
0.93	8.47	0.11	0.703	6.917
0.9	8.43	0.107	0.7	6.845
4.49	74.22	0.06	6.16	
3.69	47.61	0.078	3.952	31.826
4.84	85.98	0.056	7.136	147.527
0.66	15.6	0.042	1.295	51.517
1.05	4.34	0.242	0.36	8.436
1.85	20.99	0.088	1.742	33
3.43	71.77	0.048	5.957	179.842
1.46	17.22	0.085	1.429	26.267
2.61	45.44	0.057	3.772	118.972
1.23	13.17	0.093	1.093	29.85
6.03	91.53	0.066	7.597	203.571
11.39	85.68	0.133	7.111	190.487
10.88	88.34	0.123	7.332	227.824
8.2	72.36	0.113	6.006	206.968
8.59	59.87	0.143	4.969	213.667
11.09	77.08	0.144	6.398	314.238
12.87	158.92	0.081	13.19	429.559
10.96	128.99	0.085	10.706	437.148
9.68	103.75	0.093	8.611	495.105
13.97	171.16	0.082	14.206	683.435
9.09	88.64	0.103	7.357	185
6.46	53.79	0.12	4.465	189.32
6.48	40.63	0.159	3.372	162.619
10.15	76.24	0.133	6.328	153.698
11.14	76.63	0.145	6.36	192.618
7.38	25.71	0.287	2.134	87.286
4.9	17.87	0.274	1.483	17.293
1.83	3.83	0.478	0.318	3.846
10.5	70.51	0.149	5.852	125.021
2.38	33.52	0.071	2.782	33.848
11.45	67.49	0.17	5.602	112.08
3.86	37.3	0.103	3.096	32.466
6.36	47.68	0.133	3.957	39.731
8.33	27.96	0.298	2.321	93.476
2.28	21.79	0.105	1.809	19.127
2.43	16.48	0.147	1.368	15.966
13.57	88.84	0.153	7.374	193
6.35	54.62	0.116	4.533	52.467
2.37	12.85	0.184	1.067	14.761
7.86	107.95	0.073	8.96	84.822
2.12	15.91	0.133	1.321	20.279

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbc	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
448	675	3	3.27	440	9.62	32.27	0.21	986.85	6.422
449	676	2	8.75	444	7.42	64.47	1.42	736.8	16.229
450	677	2	9.41	443	8.6	56.19	1.77	597.131	18.81
451	678	2	1.08	448	0.64	5.76	0.42	533.333	38.889
452	679	2	7.82	445	7.41	37.45	0.77	478.9	9.847
453	680	3	4.34	440	10.39	31.61	0.26	728.341	5.991
454	681	3	8.66	444	11.77	74.49	0.4	860.162	4.619
455	682	3	2.09	436	7.2	15.97	0.22	764.115	10.526
456	683	2	17.43	452	7.7	124.75	1.22	715.72	6.999
457	684	2	10.3	448	5.29	63.89	0.8	620.291	7.767
458	685	3	7.71	446	8.78	59.62	0.26	773.281	3.372
459	686	3	5.87	448	8.73	46.35	0.16	789.608	2.726
460	687	3	2.9	435	9.02	21.77	0.18	750.69	6.207
461	688	2	19.34	448	11.25	143.44	1.52	741.675	7.859
462	689	2	7.19	445	6.53	39.57	0.87	550.348	12.1
463	690	3	2.03	433	7.11	11.77	0.2	579.803	9.852
464	691	2	5.32	442	4.69	30.07	0.72	565.226	13.534
465	692	3	8.04	447	8.4	59.07	0.13	734.701	1.617
466	693	2	17.76	454	6.69	133.96	1.28	754.279	7.207
467	694	3	2.37	432	8.73	16.82	0.21	709.705	8.861
468	695	2	12.53	450	7.53	88.89	1.48	709.417	11.812
469	696	2	10.26	449	6.79	74.79	0.65	728.947	6.335
470	697	2	12.4	450	6.48	48.84	0.73	393.871	5.887
471	698	2	8	442	3.75	12.46	0.8	155.75	10
472	699	2	12.74	452	3.61	102.23	0.58	802.433	4.553
473	700	2	21.52	453	8.9	140.19	1.68	651.441	7.807
474	701	2	13.18	453	5.92	86.27	1.17	654.552	8.877
475	702	2	16.01	448	7.89	100.06	1.25	624.984	7.808
476	703	2	7.67	438	7.69	39.6	1.28	516.297	16.688
477	704	2	7.26	448	4.45	40.9	0.54	563.361	7.438
478	705	2	6.84	447	4.45	39.93	0.61	583.772	8.918
479	706	3	4.96	444	6.1	37.5	0.3	756.048	6.048
480	707	3	4.72	438	9.7	38.3	0.24	811.441	5.085
481	708	3	3.03	440	3.9	27.17	0.36	896.7	11.881
482	709	3	6.67	443	10.67	65.94	0.32	988.606	4.798
483	710	3	10.81	440	12.93	81.72	0.24	755.967	2.22
484	711	3	5.21	442	9.45	50.79	0.17	974.856	3.263
485	712	3	11.02	444	11.87	84.47	0.16	766.515	1.452
486	713	3	10.02	441	11.6	79.92	0.15	797.605	1.497
487	714	3	4.25	443	8.63	38.27	0.12	900.471	2.824
488	715	3	5.31	438	9.86	44.75	0.19	842.75	3.578
489	716	3	5.47	442	15.21	47.28	0.2	864.351	3.656
490	717	3	5.41	445	12.55	52.97	0.21	979.113	3.882
491	718	3	2.53	438	9.12	24.74	0.18	977.866	7.115

HC_Shows	HC_Potentia	PI	PC	S2/S3
9.62	41.89	0.23	3.477	153.667
7.42	71.89	0.103	5.967	45.401
8.6	64.79	0.133	5.378	31.746
0.64	6.4	0.1	0.531	13.714
7.41	44.86	0.165	3.723	48.636
10.39	42	0.247	3.486	121.577
11.77	86.26	0.136	7.16	186.225
7.2	23.17	0.311	1.923	72.591
7.7	132.45	0.058	10.993	102.254
5.29	69.18	0.076	5.742	79.862
8.78	68.4	0.128	5.677	229.308
8.73	55.08	0.158	4.572	289.688
9.02	30.79	0.293	2.556	120.944
11.25	154.69	0.073	12.839	94.368
6.53	46.1	0.142	3.826	45.483
7.11	18.88	0.377	1.567	58.85
4.69	34.76	0.135	2.885	41.764
8.4	67.47	0.124	5.6	454.385
6.69	140.65	0.048	11.674	104.656
8.73	25.55	0.342	2.121	80.095
7.53	96.42	0.078	8.003	60.061
6.79	81.58	0.083	6.771	115.062
6.48	55.32	0.117	4.592	66.904
3.75	16.21	0.231	1.345	15.575
3.61	105.84	0.034	8.785	176.259
8.9	149.09	0.06	12.374	83.446
5.92	92.19	0.064	7.652	73.735
7.89	107.95	0.073	8.96	80.048
7.69	47.29	0.163	3.925	30.938
4.45	45.35	0.098	3.764	75.741
4.45	44.38	0.1	3.684	65.459
6.1	43.6	0.14	3.619	125
9.7	48	0.202	3.984	159.583
3.9	31.07	0.126	2.579	75.472
10.67	76.61	0.139	6.359	206.062
12.93	94.65	0.137	7.856	340.5
9.45	60.24	0.157	5	298.765
11.87	96.34	0.123	7.996	527.938
11.6	91.52	0.127	7.596	532.8
8.63	46.9	0.184	3.893	318.917
9.86	54.61	0.181	4.533	235.526
15.21	62.49	0.243	5.187	236.4
12.55	65.52	0.192	5.438	252.238
9.12	33.86	0.269	2.81	137.444

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
492	719	3	6.94	442	12.67	53.18	0.18	766.282	2.594
493	720	3	16.24	450	17.64	114.22	0.17	703.325	1.047
494	721	3	4.15	436	7.62	32.67	0.21	787.229	5.06
495	722	3	4.96	443	8.93	41.54	0.25	837.5	5.04
496	723	3	15.82	446	17.92	130.81	0.45	826.865	2.845
497	724	3	2.57	438	6.16	20.98	0.16	816.342	6.226
498	725	3	6.51	441	9.51	51.92	0.27	797.542	4.147
499	726	3	6.18	444	12.25	61.08	0.2	988.35	3.236
500	727	3	3.9	447	4.47	35.58	0.2	912.308	5.128
501	728	3	4.42	446	6.55	40.74	0.13	921.719	2.941
502	729	3	4.72	448	8.03	41.39	0.13	876.907	2.754
503	730	3	6.75	448	10.52	52.52	0.1	778.074	1.481
504	731	3	1.43	440	1.67	5.25	0.13	367.133	9.091
505	732	3	1.24	428	7.88	10.74	0.12	866.129	9.677
506	733	3	7.33	451	4.17	68.42	0.18	933.424	2.456
507	734	3	5.39	446	3.86	44.35	0.15	822.82	2.783
508	735	3	0.95	437	2.63	6.81	0.06	716.842	6.316
509	736	3	1.29	437	3.06	8.78	0.25	680.62	19.38
510	737	25	4.28	438	7.74	18.48	1.22	431.776	28.505
511	738	25	6.21	448	4	59.14	0.93	952.335	14.976
512	739	25	5.22	439	3.42	30.39	1.08	582.184	20.69
513	740	25	7	444	2.74	27.88	1.39	398.286	19.857
514	741	27	4.84	444	2.58	25.27	1.53	522.107	31.612
515	742	25	13.31	448	6.63	98.76	0.63	741.998	4.733
516	743	25	10.04	446	4.74	72.66	2.92	723.705	29.084
517	744	25	6.68	442	5.96	44.37	4.03	664.222	60.329
518	745	25	9.29	439	5.84	64.42	2.44	693.434	26.265
519	746	25	8.04	440	6.31	56.97	2.72	708.582	33.831
520	747	25	12.79	449	6.33	81.83	1.3	639.797	10.164
521	748	25	10.62	452	4.07	69.43	1.19	653.766	11.205
522	749	25	8.93	446	4.42	65.27	2.36	730.907	26.428
523	750	25	7.63	446	3.51	46.84	2.01	613.893	26.343
524	751	25	14.02	453	5.49	100.16	1.15	714.408	8.203
525	752	25	13.95	452	5.8	95.83	1.3	686.953	9.319
526	753	25	8.32	442	4.96	54.83	2.43	659.014	29.207
527	754	25	6.96	441	7.63	40.03	2.09	575.144	30.029
528	755	25	12.45	453	5.25	84.87	1.2	681.687	9.639
529	756	25	10.17	445	6.27	66.13	1.11	650.246	10.914
530	757	25	21.82	451	10.71	164.94	1.49	755.912	6.829
531	758	25	18.24	453	7.74	129.13	1.02	707.95	5.592
532	759	25	10.2	450	4.24	67.22	1.63	659.02	15.98
533	760	25	10.98	449	6.46	81.12	1.22	738.798	11.111
534	761	25	15.4	450	7.26	106.09	1.17	688.896	7.597
535	762	25	10.29	437	5	28.31	1.06	275.121	10.301

HC_Shows	HC_Potentia	PI	PC	S2/S3
12.67	65.85	0.192	5.466	295.444
17.64	131.86	0.134	10.944	671.882
7.62	40.29	0.189	3.344	155.571
8.93	50.47	0.177	4.189	166.16
17.92	148.73	0.12	12.345	290.689
6.16	27.14	0.227	2.253	131.125
9.51	61.43	0.155	5.099	192.296
12.25	73.33	0.167	6.086	305.4
4.47	40.05	0.112	3.324	177.9
6.55	47.29	0.139	3.925	313.385
8.03	49.42	0.162	4.102	318.385
10.52	63.04	0.167	5.232	525.2
1.67	6.92	0.241	0.574	40.385
7.88	18.62	0.423	1.545	89.5
4.17	72.59	0.057	6.025	380.111
3.86	48.21	0.08	4.001	295.667
2.63	9.44	0.279	0.784	113.5
3.06	11.84	0.258	0.983	35.12
7.74	26.22	0.295	2.176	15.148
4	63.14	0.063	5.241	63.591
3.42	33.81	0.101	2.806	28.139
2.74	30.62	0.089	2.541	20.058
2.58	27.85	0.093	2.312	16.516
6.63	105.39	0.063	8.747	156.762
4.74	77.4	0.061	6.424	24.884
5.96	50.33	0.118	4.177	11.01
5.84	70.26	0.083	5.832	26.402
6.31	63.28	0.1	5.252	20.945
6.33	88.16	0.072	7.317	62.946
4.07	73.5	0.055	6.1	58.345
4.42	69.69	0.063	5.784	27.657
3.51	50.35	0.07	4.179	23.303
5.49	105.65	0.052	8.769	87.096
5.8	101.63	0.057	8.435	73.715
4.96	59.79	0.083	4.963	22.564
7.63	47.66	0.16	3.956	19.153
5.25	90.12	0.058	7.48	70.725
6.27	72.4	0.087	6.009	59.577
10.71	175.65	0.061	14.579	110.698
7.74	136.87	0.057	11.36	126.598
4.24	71.46	0.059	5.931	41.239
6.46	87.58	0.074	7.269	66.492
7.26	113.35	0.064	9.408	90.675
5	33.31	0.15	2.765	26.708

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
536	763	25	6.13	440	4.36	23.86	1.9	389.233	30.995
537	764	25	8.99	443	5.01	67.47	1.96	750.501	21.802
538	765	25	6.73	441	4.93	27.77	1.16	412.63	17.236
539	766	25	5.11	439	4.72	28.67	2.16	561.057	42.27
540	767	27	3.06	436	7.17	15.96	1.29	521.569	42.157
541	768	27	2.59	436	5.51	11.76	1.15	454.054	44.402
542	769	27	2.66	440	4.73	10.03	1.76	377.068	66.165
543	770	27	2.29	435	3.82	7.74	1.77	337.991	77.293
544	771	27	1.97	433	4.48	8.45	1.28	428.934	64.975
545	772	27	1.08	438	3.84	4.76	0.85	440.741	78.704
546	773	27	1.6	440	5.68	7.92	0.58	495	36.25
547	774	27	2.3	435	3.86	11.5	0.7	500	30.435
548	775	27	9.07	440	7.22	54.71	1.08	603.197	11.907
549	776	27	1.32	429	2.16	4.32	1.25	327.273	94.697
550	777	27	1.85	442	6.36	10.77	0.77	582.162	41.622
551	778	27	1.72	436	7.08	10.38	1.26	603.488	73.256
552	779	27	1.47	434	6.03	7.2	1.2	489.796	81.633
553	780	27	5.05	443	2.54	31.36	0.39	620.99	7.723
554	781	27	2.96	441	3.01	15.65	0.92	528.716	31.081
555	782	27	2.12	435	3.82	6.83	0.83	322.17	39.151
556	783	27	4.7	441	2.92	25.22	0.51	536.596	10.851
557	784	27	3.35	443	1.97	25.42	1.31	758.806	39.104
558	785	27	4.85	444	2.97	30.2	0.65	622.68	13.402
559	786	27	2.88	444	2.02	17.89	1.56	621.181	54.167
560	787	27	1.04	443	0.75	9.24	1.23	888.462	118.269
561	788	27	2.98	444	3.04	17.28	1.19	579.866	39.933
562	789	27	2.95	442	3.59	16.8	2.47	569.492	83.729
563	790	27	3.91	443	5.16	25.82	0.48	660.358	12.276
564	791	27	2.67	447	4.31	18.76	1.35	702.622	50.562
565	792	27	4.42	444	6.61	28.95	1.26	654.977	28.507
566	793	27	4.42	443	4.69	20.8	1.03	470.588	23.303
567	794	27	1.06	434	0.59	1.6	1.57	150.943	148.113
568	795	27	1.19	434	0.98	4.08	1.62	342.857	136.134
569	796	27	2.49	440	6.99	11.16	1.28	448.193	51.406
570	797	27	10.65	444	9.42	74.56	1.69	700.094	15.869
571	798	27	9.32	448	7.99	65.01	1.65	697.532	17.704
572	799	27	12.3	448	8.19	85.63	1.8	696.179	14.634
573	800	27	2.99	441	5.6	14.98	2.06	501.003	68.896
574	801	27	2.29	440	2.98	8.87	1.86	387.336	81.223
575	802	27	7.13	451	4.98	45.41	1.71	636.886	23.983
576	803	27	2.11	439	4.1	8.8	2.19	417.062	103.791
577	804	27	12.15	446	11.18	74.86	2.23	616.132	18.354
578	805	27	9.7	450	8.72	62.76	1.95	647.01	20.103
579	806	27	6.22	449	4.75	40.3	1.29	647.91	20.74

HC_Shows	HC_Potentia	PI	PC	S2/S3
4.36	28.22	0.155	2.342	12.558
5.01	72.48	0.069	6.016	34.423
4.93	32.7	0.151	2.714	23.94
4.72	33.39	0.141	2.771	13.273
7.17	23.13	0.31	1.92	12.372
5.51	17.27	0.319	1.433	10.226
4.73	14.76	0.32	1.225	5.699
3.82	11.56	0.33	0.959	4.373
4.48	12.93	0.346	1.073	6.602
3.84	8.6	0.447	0.714	5.6
5.68	13.6	0.418	1.129	13.655
3.86	15.36	0.251	1.275	16.429
7.22	61.93	0.117	5.14	50.657
2.16	6.48	0.333	0.538	3.456
6.36	17.13	0.371	1.422	13.987
7.08	17.46	0.405	1.449	8.238
6.03	13.23	0.456	1.098	6
2.54	33.9	0.075	2.814	80.41
3.01	18.66	0.161	1.549	17.011
3.82	10.65	0.359	0.884	8.229
2.92	28.14	0.104	2.336	49.451
1.97	27.39	0.072	2.273	19.405
2.97	33.17	0.09	2.753	46.462
2.02	19.91	0.101	1.653	11.468
0.75	9.99	0.075	0.829	7.512
3.04	20.32	0.15	1.687	14.521
3.59	20.39	0.176	1.692	6.802
5.16	30.98	0.167	2.571	53.792
4.31	23.07	0.187	1.915	13.896
6.61	35.56	0.186	2.951	22.976
4.69	25.49	0.184	2.116	20.194
0.59	2.19	0.269	0.182	1.019
0.98	5.06	0.194	0.42	2.519
6.99	18.15	0.385	1.506	8.719
9.42	83.98	0.112	6.97	44.118
7.99	73	0.109	6.059	39.4
8.19	93.82	0.087	7.787	47.572
5.6	20.58	0.272	1.708	7.272
2.98	11.85	0.251	0.984	4.769
4.98	50.39	0.099	4.182	26.556
4.1	12.9	0.318	1.071	4.018
11.18	86.04	0.13	7.141	33.57
8.72	71.48	0.122	5.933	32.185
4.75	45.05	0.105	3.739	31.24

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
580	807	27	7.69	446	7.24	50.93	1.35	662.289	17.555
581	808	27	2.64	439	4.02	14.92	2.3	565.152	87.121
582	809	27	6.5	442	6.89	41.25	1.04	634.615	16
583	810	27	6.16	444	6.36	39.28	1.2	637.662	19.481
584	811	27	4.59	440	6.18	22.98	2.54	500.654	55.338
585	812	27	6.19	444	6.15	37.79	1.38	610.501	22.294
586	813	27	4.37	437	8.48	26.66	2.5	610.069	57.208
587	814	27	9.06	443	10.19	57.91	1.52	639.183	16.777
588	815	27	10.27	443	10.53	70.17	1.47	683.252	14.314
589	816	27	2.34	439	2.63	10.25	0.31	438.034	13.248
590	817	27	3.41	438	5.04	19.06	2.69	558.944	78.886
591	818	27	9.98	449	7.85	67.49	2.04	676.253	20.441
592	819	27	5.18	437	8.09	34.43	7.66	664.672	147.876
593	820	27	6.16	439	11.67	39.13	8.93	635.227	144.968
594	821	27	4.93	437	11.12	31.5	9.92	638.945	201.217
595	822	27	3.17	430	10.46	16.39	7.55	517.035	238.17
596	823	27	2.73	430	7.78	11.46	11.03	419.78	404.029
597	824	27	3.12	431	10.77	16.93	8	542.628	256.41
598	825	27	3.43	431	11.36	16.75	9.1	488.338	265.306
599	826	27	2.89	431	8.04	13.66	8.53	472.664	295.156
600	827	27	2.71	438	6.43	13.46	8.79	496.679	324.354
601	828	27	4.77	438	11.01	30.27	10.93	634.591	229.14
602	829	27	9.79	448	7.12	65.24	2.5	666.394	25.536
603	830	27	8.62	450	6.71	54.34	2.39	630.394	27.726
604	831	27	5.5	439	9.31	37.34	13.04	678.909	237.091
605	832	27	4.27	437	8.46	24.89	11.29	582.904	264.403
606	833	3	1.7	442	1.66	9.37	0.17	551.176	10
607	834	3	0.75	441	0.56	1.57	0.14	209.333	18.667
608	837	3	1.73	436	2.21	8.86	0.23	512.139	13.295
609	839	3	1.79	431	7.69	13.45	0.13	751.397	7.263
610	840	3	2.36	443	2.53	15.72	0.22	666.102	9.322
611	841	3	4.13	448	3.14	38.78	0.17	938.983	4.116
612	843	3	2.53	442	2.18	16.89	0.29	667.589	11.462
613	845	3	4.18	445	3.17	39.45	0.17	943.78	4.067
614	852	10	0.53	436	0.06	1.3	0.51	245.283	96.226
615	852	10	0.53	433	0.07	1.4	0.6	264.151	113.208
616	854	10	0.04		0	0.01	0.27	25	675
617	854	10	0.04		0.01	0	0.17	0	425
618	856	10	2.44	438	5.64	17.88	0.56	732.787	22.951
619	856	10	2.37	432	6.01	16.88	0.57	712.236	24.051
620	858	10	0.06	441	0.02	0.03	0.32	50	533.333
621	858	10	0.06	435	0.03	0.03	0.17	50	283.333
622	860	10	0.53	440	0.75	2.98	0.37	562.264	69.811
623	860	10		439	0.76	2.92	0.26		

HC_Shows	HC_Potentia	PI	PC	S2/S3
7.24	58.17	0.124	4.828	37.726
4.02	18.94	0.212	1.572	6.487
6.89	48.14	0.143	3.996	39.663
6.36	45.64	0.139	3.788	32.733
6.18	29.16	0.212	2.42	9.047
6.15	43.94	0.14	3.647	27.384
8.48	35.14	0.241	2.917	10.664
10.19	68.1	0.15	5.652	38.099
10.53	80.7	0.13	6.698	47.735
2.63	12.88	0.204	1.069	33.065
5.04	24.1	0.209	2	7.086
7.85	75.34	0.104	6.253	33.083
8.09	42.52	0.19	3.529	4.495
11.67	50.8	0.23	4.216	4.382
11.12	42.62	0.261	3.537	3.175
10.46	26.85	0.39	2.229	2.171
7.78	19.24	0.404	1.597	1.039
10.77	27.7	0.389	2.299	2.116
11.36	28.11	0.404	2.333	1.841
8.04	21.7	0.371	1.801	1.601
6.43	19.89	0.323	1.651	1.531
11.01	41.28	0.267	3.426	2.769
7.12	72.36	0.098	6.006	26.096
6.71	61.05	0.11	5.067	22.736
9.31	46.65	0.2	3.872	2.863
8.46	33.35	0.254	2.768	2.205
1.66	11.03	0.15	0.915	55.118
0.56	2.13	0.263	0.177	11.214
2.21	11.07	0.2	0.919	38.522
7.69	21.14	0.364	1.755	103.462
2.53	18.25	0.139	1.515	71.455
3.14	41.92	0.075	3.479	228.118
2.18	19.07	0.114	1.583	58.241
3.17	42.62	0.074	3.537	232.059
0.06	1.36	0.044	0.113	2.549
0.07	1.47	0.048	0.122	2.333
0	0.01	0	0.001	0.037
0.01	0.01	1	0.001	
5.64	23.52	0.24	1.952	31.929
6.01	22.89	0.263	1.9	29.614
0.02	0.05	0.4	0.004	0.094
0.03	0.06	0.5	0.005	0.176
0.75	3.73	0.201	0.31	8.054
0.76	3.68	0.207	0.305	11.231

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
624	862	10	3.64	439	5.14	25.7	0.9	706.044	24.725
625	862	10	3.68	438	5.3	25.62	0.74	696.196	20.109
626	864	10	5.69	442	3.78	43.31		761.16	
627	865	10	4.42	442	3.85	33.44		756.561	
628	866	10	0.59	432	0.49	2.54	0.36	430.508	61.017
629	866	10	0.55	431	0.49	2.58	0.53	469.091	96.364
630	868	10	0.34	431	0.13	0.66	0.17	194.118	50
631	868	10	0.29	431	0.12	0.69	0.47	237.931	162.069
632	870	10	1.77	444	0.44	5.5	0.44	310.734	24.859
633	870	10	4.17	437	6.28	31.15	0.83	747.002	19.904
634	872	10	1.62	429	5.37	8.35		515.432	
635	873	10	1.68	436	7.49	9.8	1.45	583.333	86.31
636	873	10	1.71	436	7.53	9.5	1.38	555.556	80.702
637	875	10	0.8	445	0.99	3.03	0.18	378.75	22.5
638	875	10	0.79	448	0.96	3.57	0.4	451.899	50.633
639	877	10	9.14	450	4.94	90.9	1.2	994.53	13.129
640	877	10	9.91	453	5.19	98.68	1.2	995.762	12.109
641	879	10	8.27	446	6.18	76.81		928.779	
642	880	10	3.35	449	2.21	29.17	1.7	870.746	50.746
643	880	10	3.25	448	2.14	28.22	1.6	868.308	49.231
644	913	10	5.34	445	3.53	43.34	1.39	811.61	26.03
645	915	10	6.12	443	3.81	44.59		728.595	
646	916	10	3.49	442	2.82	25.08		718.625	
647	917	10	4.53	440	4.02	31.18		688.3	
648	918	10	3.39	442	4.09	19.43		573.156	
649	919	10	5.5	442	4.95	41.47		754	
650	920	10	7.4	442	6.51	61.84		835.676	
651	921	10	6.43	441	6.27	50.45		784.603	
652	922	10	5.17	442	5.38	39.15		757.253	
653	923	10	5.56	443	4.67	46.79	1.63	841.547	29.317
654	923	10	5.49	444	4.56	46.14	1.61	840.437	29.326
655	925	10	3.15	440	3.1	23.03		731.111	
656	926	10	2.91	441	2.16	20.2		694.158	
657	927	10	2	441	1.46	13.49		674.5	
658	928	10	0.93	440	0.23	1.94	0.35	208.602	37.634
659	928	10	0.93	438	0.24	2.28	0.53	245.161	56.989
660	930	10	0.35	439	0.04	0.42	0.7	120	200
661	930	10	0.37	442	0.02	0.37	0.51	100	137.838
662	932	2	0.43	436	0.08	0.42	0.41	97.674	95.349
663	933	11	0.84	447	0.7	7.57	0.22	901.19	26.19
664	934	10	0.96	439	0.49	3.11	0.53	323.958	55.208
665	934	10	0.92	437	0.47	3.24	0.39	352.174	42.391
666	936	10	1.51	441	0.65	4.66	0.38	308.609	25.166
667	937	2	1.83	438	1.4	14.34	0.69	783.607	37.705

HC_Shows	HC_Potentia	PI	PC	S2/S3
5.14	30.84	0.167	2.56	28.556
5.3	30.92	0.171	2.566	34.622
3.78	47.09	0.08	3.908	
3.85	37.29	0.103	3.095	
0.49	3.03	0.162	0.251	7.056
0.49	3.07	0.16	0.255	4.868
0.13	0.79	0.165	0.066	3.882
0.12	0.81	0.148	0.067	1.468
0.44	5.94	0.074	0.493	12.5
6.28	37.43	0.168	3.107	37.53
5.37	13.72	0.391	1.139	
7.49	17.29	0.433	1.435	6.759
7.53	17.03	0.442	1.413	6.884
0.99	4.02	0.246	0.334	16.833
0.96	4.53	0.212	0.376	8.925
4.94	95.84	0.052	7.955	75.75
5.19	103.87	0.05	8.621	82.233
6.18	82.99	0.074	6.888	
2.21	31.38	0.07	2.605	17.159
2.14	30.36	0.07	2.52	17.638
3.53	46.87	0.075	3.89	31.18
3.81	48.4	0.079	4.017	
2.82	27.9	0.101	2.316	
4.02	35.2	0.114	2.922	
4.09	23.52	0.174	1.952	
4.95	46.42	0.107	3.853	
6.51	68.35	0.095	5.673	
6.27	56.72	0.111	4.708	
5.38	44.53	0.121	3.696	
4.67	51.46	0.091	4.271	28.706
4.56	50.7	0.09	4.208	28.658
3.1	26.13	0.119	2.169	
2.16	22.36	0.097	1.856	
1.46	14.95	0.098	1.241	
0.23	2.17	0.106	0.18	5.543
0.24	2.52	0.095	0.209	4.302
0.04	0.46	0.087	0.038	0.6
0.02	0.39	0.051	0.032	0.725
0.08	0.5	0.16	0.042	1.024
0.7	8.27	0.085	0.686	34.409
0.49	3.6	0.136	0.299	5.868
0.47	3.71	0.127	0.308	8.308
0.65	5.31	0.122	0.441	12.263
1.4	15.74	0.089	1.306	20.783

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
668	938	11	1.72	450	0.66	6.99	0.29	406.395	16.86
669	939	10	1.5	440	0.56	6.27	0.51	418	34
670	940	10	1.52	440	0.52	6.27	0.45	412.5	29.605
671	941	10	1.61	437	0.63	7.26	0.61	450.932	37.888
672	941	10	1.62	438	0.61	7.21	0.58	445.062	35.802
673	943	2	2.01	442	1.03	13.82	0.61	687.562	30.348
674	944	2	0.99	433	0.11	0.46	0.38	46.465	38.384
675	945	2	0.63	428	0.39	0.86	0.66	136.508	104.762
676	946	11	0.62	444	0.29	0.95	0.24	153.226	38.71
677	947	2	1.1	432	3.18	6.1	0.51	554.545	46.364
678	947	2	0.2	468	0.01	0.11	0.16	55	80
679	949	10	0.5	435	0.1	0.4	0.45	80	90
680	949	10	0.44	432	0.09	0.15	0.66	34.091	150
681	951	11	1.28	435	0.31	1.59	0.47	124.219	36.719
682	952	2	1.3	440	0.28	2.02	0.49	155.385	37.692
683	953	10	1.05	437	0.18	1.32	0.73	125.714	69.524
684	953	10	1.09	436	0.2	1.54	0.47	141.284	43.119
685	955	2	1.65	435	0.91	3.93	0.41	238.182	24.848
686	956	2	2.15	442	0.84	7.73	0.69	359.535	32.093
687	957	2	1.11	445	0.23	2.83	0.6	254.955	54.054
688	958	2	2.53	441	0.82	8.77	0.36	346.64	14.229
689	959	2	0.5	488	0.05	0.36	0.38	72	76
690	960	11	1.44	435	0.35	4.51	0.8	313.194	55.556
691	961	10	1.15	441	0.25	3.1	0.53	269.565	46.087
692	961	10	1.11	441	0.23	3.24	0.34	291.892	30.631
693	963	2	2.53	445	0.7	9.72	0.4	384.19	15.81
694	964	11	1.13	445	0.25	2.76	0.46	244.248	40.708
695	965	2	1.18	441	0.28	1.87	0.56	158.475	47.458
696	966	10	0.63	441	0.13	1.29	0.47	204.762	74.603
697	966	10	0.82	438	0.25	2.43	0.42	296.341	51.22
698	966	10	0.79	441	0.28	2.43	0.33	307.595	41.772
699	966	10	0.64	442	0.12	1.29	0.31	201.562	48.438
700	970	2	0.65	445	0.01	0.13	0.49	20	75.385
701	971	10	1.15	435	0.33	2.07	0.44	180	38.261
702	971	10	1.16	439	0.31	2.12	0.29	182.759	25
703	973	11	0.6	432	0.2	1.14	0.47	190	78.33
704	974	11	1.18	439	0.26	1.75	0.56	148.305	47.458
705	975	2	0.82	441	0.17	1.13	0.09	137.805	10.976
706	976	10	1.2	438	0.06	0.86	0.44	71.667	36.667
707	976	10	1.29	437	0.07	1.04	0.33	80.62	25.581
708	978	11	0.91	432	0.21	1.15	0.43	126.374	47.253
709	979	11	1.34	429	0.29	2.44	0.36	182.09	26.866
710	980	2	0.55	440	0.05	0.22	0.26	40	47.273
711	981	11	0.41	401	0.8	0.71	0.15	173.171	36.585

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.66	7.65	0.086	0.635	24.103
0.56	6.83	0.082	0.567	12.294
0.52	6.79	0.077	0.564	13.933
0.63	7.89	0.08	0.655	11.902
0.61	7.82	0.078	0.649	12.431
1.03	14.85	0.069	1.233	22.656
0.11	0.57	0.193	0.047	1.211
0.39	1.25	0.312	0.104	1.303
0.29	1.24	0.234	0.103	3.958
3.18	9.28	0.343	0.77	11.961
0.01	0.12	0.083	0.01	0.688
0.1	0.5	0.2	0.042	0.889
0.09	0.24	0.375	0.02	0.227
0.31	1.9	0.163	0.158	3.383
0.28	2.3	0.122	0.191	4.122
0.18	1.5	0.12	0.124	1.808
0.2	1.74	0.115	0.144	3.277
0.91	4.84	0.188	0.402	9.585
0.84	8.57	0.098	0.711	11.203
0.23	3.06	0.075	0.254	4.717
0.82	9.59	0.086	0.796	24.361
0.05	0.41	0.122	0.034	0.947
0.35	4.86	0.072	0.403	5.637
0.25	3.35	0.075	0.278	5.849
0.23	3.47	0.066	0.288	9.529
0.7	10.42	0.067	0.865	24.3
0.25	3.01	0.083	0.25	6
0.28	2.15	0.13	0.178	3.339
0.13	1.42	0.092	0.118	2.745
0.25	2.68	0.093	0.222	5.786
0.28	2.71	0.103	0.225	7.364
0.12	1.41	0.085	0.117	4.161
0.01	0.14	0.071	0.012	0.265
0.33	2.4	0.138	0.199	4.705
0.31	2.43	0.128	0.202	7.31
0.2	1.34	0.149	0.111	2.426
0.26	2.01	0.129	0.167	3.125
0.17	1.3	0.131	0.108	12.556
0.06	0.92	0.065	0.076	1.955
0.07	1.11	0.063	0.092	3.152
0.21	1.36	0.154	0.113	2.674
0.29	2.73	0.106	0.227	6.778
0.05	0.27	0.185	0.022	0.846
0.8	1.51	0.53	0.125	4.733

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
712	982	2	0.23	402	0.01	0.01	0.01	4.348	4.348
713	983	11	0.75	412	0.93	1.09	0.21	145.333	28
714	984	11	0.95	439	0.15	0.94	0.35	98.947	36.842
715	985	2	1.04	442	0.21	1.01	0.31	97.115	29.808
716	986	11	1.4	447	0.14	0.87	0.26	62.143	18.571
717	987	2	1.62	442	0.36	1.97	0.49	121.605	30.247
718	988	10	1.07	437	0.11	1.02	0.55	95.327	51.402
719	988	10	1.14	436	0.13	1.1	0.61	96.491	53.509
720	988	10	1.1	449	0.12	1.3	0.42	118.182	38.182
721	991	10	0.84	441	0.18	0.97	0.62	115.476	73.81
722	991	10	0.81	435	0.18	0.93	0.52	114.815	64.198
723	993	10	0.8	440	0.12	0.72	0.72	90	90
724	993	10	0.74	437	0.11	0.7	0.7	94.595	94.595
725	995	10	0.47	440	0.07	0.33	0.54	70.213	114.894
726	995	10	0.47	440	0.05	0.31	0.47	65.957	100
727	997	11	0.91	432	0.23	1.08	0.79	118.681	86.81
728	998	11	3.23	438	0.86	7.48	0.56	231.579	17.337
729	999	11	1.19	424	0.25	2	0.95	168.067	79.832
730	1000	2	3.21	441	0.76	7.79	0.43	242.679	13.396
731	1001	10	1.31	441	0.36	3.15	0.68	240.458	51.908
732	1001	10	1.27	438	0.37	3.39	0.38	266.929	29.921
733	1003	2	0.6	441	0.12	0.92	0.49	153.333	81.667
734	1004	11	1.37	442	0.37	2.97	0.51	216.788	37.226
735	1005	10	0.16		0.02	0.03	0.63	18.75	393.75
736	1005	10	0.16		0.01	0	0.56	0	350
737	1007	11	2.07	443	0.6	5.22	0.39	252.174	18.841
738	1008	10	0.89	440	0.22	2.21	0.45	248.315	50.562
739	1008	10	0.86	439	0.23	2.27	0.39	263.953	45.349
740	1010	10	0.79	436	0.22	1.76	0.5	222.785	63.291
741	1010	10	0.78	435	0.24	1.81	0.47	232.051	60.256
742	1012	10	0.57	437	0.15	0.92	0.41	161.404	71.93
744	1012	10	0.57	438	0.15	0.9	0.4	157.895	70.175
745	1015	2	1.66	437	0.78	5.84	0.38	351.807	22.892
746	1016	11	2.23	438	1.01	5.95	0.41	266.816	18.386
747	1017	2	1.84	440	0.59	4.12	0.39	223.913	21.196
748	1018	11	2.07	429	1.32	9.65	0.53	466.184	25.604
749	1019	2	2	440	0.38	2.11	0.39	105.5	19.5
750	1020	11	2.95	425	1.07	11	0.45	372.881	15.254
751	1021	11	2.3	432	0.52	5.68	0.76	246.957	33.043
752	1022	10	1.46	437	0.6	4.65	0.33	318.493	22.603
753	1022	10	1.52	438	0.59	4.48	0.32	294.737	21.053
754	1024	2	2	441	1.01	5.65	0.29	282.5	14.5
755	1025	2	2.12	439	0.62	5.05	0.3	238.208	14.151
756	1026	11	1.41	430	0.62	7.24	0.48	513.475	34.043

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.01	0.02	0.5	0.002	1
0.93	2.02	0.46	0.168	5.19
0.15	1.09	0.138	0.09	2.686
0.21	1.22	0.172	0.101	3.258
0.14	1.01	0.139	0.084	3.346
0.36	2.33	0.155	0.193	4.02
0.11	1.13	0.097	0.094	1.855
0.13	1.23	0.106	0.102	1.803
0.12	1.42	0.085	0.118	3.095
0.18	1.15	0.157	0.095	1.565
0.18	1.11	0.162	0.092	1.788
0.12	0.84	0.143	0.07	1
0.11	0.81	0.136	0.067	1
0.07	0.4	0.175	0.033	0.611
0.05	0.36	0.139	0.03	0.66
0.23	1.31	0.176	0.109	1.367
0.86	8.34	0.103	0.692	13.357
0.25	2.25	0.111	0.187	2.105
0.76	8.55	0.089	0.71	18.116
0.36	3.51	0.103	0.291	4.632
0.37	3.76	0.098	0.312	8.921
0.12	1.04	0.115	0.086	1.878
0.37	3.34	0.111	0.277	5.824
0.02	0.05	0.4	0.004	0.048
0.01	0.01	1	0.001	
0.6	5.82	0.103	0.483	13.385
0.22	2.43	0.091	0.202	4.911
0.23	2.5	0.092	0.208	5.821
0.22	1.98	0.111	0.164	3.52
0.24	2.05	0.117	0.17	3.851
0.15	1.07	0.14	0.089	2.244
0.15	1.05	0.143	0.087	2.25
0.78	6.62	0.118	0.549	15.368
1.01	6.96	0.145	0.578	14.512
0.59	4.71	0.125	0.391	10.564
1.32	10.97	0.12	0.911	18.208
0.38	2.49	0.153	0.207	5.41
1.07	12.07	0.089	1.002	24.444
0.52	6.2	0.084	0.515	7.474
0.6	5.25	0.114	0.436	14.091
0.59	5.07	0.116	0.421	14
1.01	6.66	0.152	0.553	19.483
0.62	5.67	0.109	0.471	16.833
0.62	7.86	0.079	0.652	15.083

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
757	1027	11	1.22	433	0.12	0.53	0.44	43.443	36.066
758	1028	11	1.87	459	0.38	3.97	0.06	212.299	3.209
759	1029	11	2.25	453	1.03	12.45	0.08	553.333	3.556
760	1030	11	5.13	455	4.59	45.08	0.16	878.752	3.119
761	1031	2	3.46	440	3.33	16.26	1	469.942	28.902
762	1032	2	2.05	430	2.91	8.02	0.54	391.22	26.341
763	1033	10	4.35	440	6.29	33.8	0.55	777.011	12.644
764	1033	10	4.41	443	6.11	35.95	0.74	815.193	16.78
765	1035	10	5.6	439	5.55	48.65	0.72	868.75	12.857
766	1035	10	5.33	448	5.2	46.67	0.78	875.61	14.634
767	1037	11	4.68	454	5.02	40.53	0.21	866.026	4.487
768	1038	11	1.51	451	0.29	2.61	0.13	172.848	8.609
769	1039	11	3.77	451	4.15	20.98	0.13	556.499	3.448
770	1040	11	3.05	455	3.57	12.49	0.17	409.508	5.574
771	1041	10	3.87	443	4.28	25.97	0.98	671.059	25.323
772	1041	10	3.95	443	4.28	26.83	1	679.241	25.316
773	1043	11	6.7	468	4.57	47.8	0.17	713.433	2.537
774	1044	11	6.4	456	5.72	28.54	0.18	445.938	2.812
775	1045	11	5.79	469	3.47	26.08	0.18	450.432	3.109
776	1046	11	3.01	455	3.05	17.39	0.21	577.741	6.977
777	1047	11	8.09	450	9.57	99.99	0.6	1235.97	7.417
778	1048	11	6.33	441	8.69	99.99	0.93	1579.62	14.692
779	1049	11	3.21	444	3.3	25.02	0.97	779.44	30.218
780	1050	11	1.84	435	1.51	11.63	0.68	632.065	36.957
781	1051	10	3.89	441	3.16	25.15	1.14	646.53	29.306
782	1051	10	3.89	441	3.11	25.28	1.2	649.871	30.848
783	1053	10	6.91	446	5.46	56.26	0.98	814.182	14.182
784	1053	10	6.95	445	5.41	56.84	1.05	817.842	15.108
785	1055	2	14.91	448	5.82	72.03	1.39	483.099	9.323
786	1056	2	17.15	454	3.81	100.7	1.85	587.172	10.787
787	1057	10	10.82	444	5.57	96.9	1.21	895.564	11.183
788	1057	10	10.95	444	5.43	98.84	1.25	902.648	11.416
789	1059	2	27.4	453	7.91	209.73	1.51	765.438	5.511
790	1060	2	31.25	446	18.32	133.15	1.26	426.08	4.032
791	1061	10	6.42	442	3.99	59.62	0.85	928.66	13.24
792	1061	10	6.43	447	3.92	59.09	0.96	918.974	14.93
793	1063	10	2.69	441	2.07	19.98	1	742.751	37.175
794	1063	10	2.71	442	2.04	20.13	1.13	742.804	41.697
795	1065	10	1.84	437	2.21	11.94	0.78	648.913	42.391
796	1065	10	1.89	438	2.19	12.81	0.97	677.778	51.323
797	1067	11	2.14	437	1.84	4.31	0.59	201.402	27.57
798	1068	11	2.46	432	3.35	7.87	0.52	319.919	21.138
799	1069	11	2.66	429	6.27	10.06	0.28	378.195	10.526
800	1070	10	1.17	432	2.82	6.86	0.66	586.325	56.41

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.12	0.65	0.185	0.054	1.205
0.38	4.35	0.087	0.361	66.167
1.03	13.48	0.076	1.119	155.625
4.59	49.67	0.092	4.123	281.75
3.33	19.59	0.17	1.626	16.26
2.91	10.93	0.266	0.907	14.852
6.29	40.09	0.157	3.327	61.455
6.11	42.06	0.145	3.491	48.581
5.55	54.2	0.102	4.499	67.569
5.2	51.87	0.1	4.305	59.833
5.02	45.55	0.11	3.781	193
0.29	2.9	0.1	0.241	20.077
4.15	25.13	0.165	2.086	161.385
3.57	16.06	0.222	1.333	73.471
4.28	30.25	0.141	2.511	26.5
4.28	31.11	0.138	2.582	26.83
4.57	52.37	0.087	4.347	281.176
5.72	34.26	0.167	2.844	158.556
3.47	29.55	0.117	2.453	144.889
3.05	20.44	0.149	1.697	82.81
9.57	109.56	0.087	9.093	166.65
8.69	108.68	0.08	9.02	107.516
3.3	28.92	0.117	2.351	25.794
1.51	13.14	0.115	1.091	17.103
3.16	28.31	0.112	2.35	22.061
3.11	28.39	0.11	2.356	21.067
5.46	61.72	0.088	5.123	57.408
5.41	62.25	0.087	5.167	54.133
5.82	77.85	0.075	6.462	51.82
3.81	104.51	0.036	8.674	54.432
5.57	102.47	0.054	8.505	80.083
5.43	104.27	0.052	8.654	79.072
7.91	217.64	0.036	18.064	138.894
18.32	151.47	0.121	12.572	105.675
3.99	63.61	0.063	5.28	70.141
3.92	63.01	0.062	5.23	61.552
2.07	22.05	0.094	1.83	19.98
2.04	22.17	0.092	1.84	17.814
2.21	14.15	0.156	1.174	15.308
2.19	15	0.146	1.245	13.206
1.84	6.15	0.299	0.51	7.305
3.35	11.22	0.299	0.931	15.135
6.27	16.33	0.384	1.355	35.929
2.82	9.68	0.291	0.803	10.394

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
801	1070	10	1.2	434	2.73	6.82	0.76	568.333	63.333
802	1072	11	3.06	440	2.69	14.32	0.38	467.974	12.418
803	1073	10	5.02	443	3.33	44.77	0.83	891.833	16.534
804	1073	10	4.89	446	3.31	43.12	0.95	881.8	19.427
805	1075	11	4.18	446	2.87	24.73	0.58	591.63	13.876
806	1076	2	0.75	435	0.3	1.33	1.23	177.333	164
807	1077	2	6.76	445	1.85	31.28	0.75	462.722	11.095
808	1078	10	6.22	438	3.98	47.12	0.87	757.556	13.987
809	1078	10	6.05	443	3.7	45.66	0.89	754.711	14.711
810	1080	10	0.93	425	1.35	3.56	1.07	382.796	115.054
811	1080	10	0.9	427	1.27	3.37	1.18	374.444	131.111
812	1082	2	2.09	434	2.61	9.42	0.43	450.718	20.574
813	1083	2	6.59	442	2.56	36.77	1.1	557.967	16.692
814	1084	11	8.63	434	3.43	18.12	0.69	209.965	7.995
815	1085	10	3.24	442	3.93	20.2	1.07	623.457	33.025
816	1085	10	3.36	443	3.76	20.07	1.21	597.321	36.012
817	1087	10	4.1	439	3.58	28.16	1.03	686.829	25.122
818	1087	10	4.32	442	3.51	28.01	1.13	648.38	26.157
819	1089	11	6.07	434	8.5	86.37	0.58	1422.9	9.555
820	1090	10	1.91	441	3.54	11.08	0.65	580.105	34.031
821	1090	10	1.95	441	3.64	11.42	0.86	585.641	44.103
822	1092	10	1.75	441	1.13	8.79	1.05	502.286	60
823	1092	10	1.76	443	1.21	8.88	1.06	504.545	60.227
824	1094	2	6.89	444	3.56	38.05	1	552.25	14.514
825	1095	11	3.41	443	3.61	21.4	0.2	627.566	5.865
826	1096	11	3.88	437	2.64	29.8	0.3	768.041	7.732
827	1097	11	6.08	440	4.91	48.3	0.3	794.408	4.934
828	1098	11	5.22	432	9.34	79.32	0.81	1519.54	15.517
829	1099	11	1.81	439	1.35	10.6	0.3	585.635	16.575
830	1100	11	5.96	440	3.08	53.1	0.4	890.94	6.711
831	1101	2	2.76	445	1.49	16.04	1.19	581.159	43.116
832	1102	2	5.54	446	2.01	34.24	0.63	618.051	11.372
833	1103	11	4.61	442	2.28	36.8	0.5	798.265	10.846
834	1104	2	10.04	455	3.06	71.75	0.56	714.641	5.578
835	1105	11	4.62	425	3.43	47.7	0.4	1032.468	8.658
836	1106	2	4.12	444	1.8	23.99	0.78	582.282	18.932
837	1107	11	3.28	422	3.09	32.4	0.5	987.805	15.244
838	1108	11	1.17	421	1.05	3.7	0.6	316.239	51.282
839	1109	11	0.92	422	0.42	1.7	0.6	184.783	65.217
840	1110	11	0.49	419	0.33	0.5	0.6	102.041	122.449
841	1111	11	0.63	413	0.17	0.3	0.4	47.619	63.492
842	1112	11	0.66	411	0.25	0.3	0.4	45.455	60.606
843	1113	11	1.09	412	2.98	4	0.3	366.972	27.523
844	1114	11	2.38	419	2.03	11.4	0.4	478.992	16.807

HC_Shows	HC_Potentia	PI	PC	S2/S3
2.73	9.55	0.286	0.793	8.974
2.69	17.01	0.158	1.412	37.684
3.33	48.1	0.069	3.992	53.94
3.31	46.43	0.071	3.854	45.389
2.87	27.6	0.104	2.291	42.638
0.3	1.63	0.184	0.135	1.081
1.85	33.13	0.056	2.75	41.707
3.98	51.1	0.078	4.241	54.161
3.7	49.36	0.075	4.097	51.303
1.35	4.91	0.275	0.408	3.327
1.27	4.64	0.274	0.385	2.856
2.61	12.03	0.217	0.998	21.907
2.56	39.33	0.065	3.264	33.427
3.43	21.55	0.159	1.789	26.261
3.93	24.13	0.163	2.003	18.879
3.76	23.83	0.158	1.978	16.587
3.58	31.74	0.113	2.634	27.34
3.51	31.52	0.111	2.616	24.788
8.5	94.87	0.09	7.874	148.914
3.54	14.62	0.242	1.213	17.046
3.64	15.06	0.242	1.25	13.279
1.13	9.92	0.114	0.823	8.371
1.21	10.09	0.12	0.837	8.377
3.56	41.61	0.086	3.454	38.05
3.61	25.01	0.144	2.076	107
2.64	32.44	0.081	2.693	99.333
4.91	53.21	0.092	4.416	161
9.34	88.66	0.105	7.359	97.926
1.35	11.95	0.113	0.992	35.333
3.08	56.18	0.055	4.663	132.75
1.49	17.53	0.085	1.455	13.479
2.01	36.25	0.055	3.009	54.349
2.28	39.08	0.058	3.244	73.6
3.06	74.81	0.041	6.209	128.125
3.43	51.13	0.067	4.244	119.25
1.8	25.79	0.07	2.141	30.756
3.09	35.49	0.087	2.946	64.8
1.05	4.75	0.221	0.394	6.167
0.42	2.12	0.198	0.176	2.833
0.33	0.83	0.398	0.069	0.833
0.17	0.47	0.362	0.039	0.75
0.25	0.55	0.455	0.046	0.75
2.98	6.98	0.427	0.579	13.333
2.03	13.43	0.151	1.115	28.5

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
845	1115	11	1.82	442	1.34	9.8	0.4	538.462	21.978
846	1116	11	1.63	447	0.92	3.5	0.4	214.724	24.54
847	1117	25	2.99	441	2.81	20.01	1.39	669.231	46.488
848	1118	25	9.85	451	4.99	82.34	2.1	835.939	21.32
849	1119	25	12.97	450	6.32	110.51	2.11	852.043	16.268
850	1120	25	0.78	438	0.32	1.83	1.68	234.615	215.385
851	1121	25	5.34	443	2.33	36.45	2.2	682.584	41.199
852	1122	25	2.04	439	2.58	10.74	1.18	526.471	57.843
853	1123	25	5.42	449	3.77	36.63	2.16	675.83	39.852
854	1124	25	2.55	448	1.42	18.13	2.06	710.98	80.784
855	1125	25	7.14	453	3.32	57.7	1.96	808.123	27.451
856	1126	25	4.35	449	1.63	25.36	1.89	582.989	43.448
857	1127	10	1.98	443	1.02	11.73	0.65	592.424	32.828
858	1128	11	5.1	430	5.82	62.8	0.5	1231.373	9.804
859	1129	10	3.59	447	2.37	25.21	0.96	702.228	26.741
860	1130	11	5.9	449	4.98	61.9	0.5	1049.153	8.475
861	1131	10	11.38	442	6.34	102.08	1.09	897.012	9.578
862	1131	10	11.8	451	4.04	111.11	3.33	941.61	28.22
863	1133	10	1.98	441	2.43	12.05	0.86	608.586	43.434
864	1133	10	1.96	445	2.34	11.83	0.78	603.571	39.796
865	1135	11	2.27	431	3.67	23.5	0.5	1035.242	22.026
866	1136	11	5.85	424	6.12	59.6	0.6	1018.803	10.256
867	1137	11	4.22	452	3.06	36.5	0.1	861.9	2.4
868	1138	10	11.34	448	6.19	92.36	1.19	814.462	10.494
869	1138	10	10.93	448	3.88	97.57	4.36	892.681	39.89
870	1140	11	1.77	420	1.52	10.6	0.4	593.87	22.599
871	1141	11	3.52	435	2.81	18.8	0.4	534.091	11.364
872	1142	11	5.29	440	2.92	28.4	0.6	536.862	11.342
873	1143	10	4.07	443	2.32	30.55	1.93	750.614	47.42
874	1143	10	3.89	446	2.59	27.26	0.77	700.771	19.794
875	1143	10	4.23	444	2.66	30.2	0.86	713.948	20.331
876	1146	11	3.85	439	2.58	21.4	0.6	555.844	15.584
877	1147	10	2.44	439	2.78	15.64	0.92	640.984	37.705
878	1147	10		445	2.22	13.35	1.78		
879	1149	11	7.33	443	2.97	35.8	0.6	488.404	8.186
880	1150	10	8.29	448	3.99	71.16	0.82	858.384	9.891
881	1150	10	7.24	450	2.42	63.33	2.72	874.724	37.569
882	1152	10	2.33	447	1.9	14.06	0.82	603.433	35.193
883	1152	10	2.11	448	1.74	11.96	0.7	566.825	33.175
884	1154	11	2.81	438	1.63	11.1	0.8	395.018	28.47
885	1155	10		446	4.13	101.34	3.26		
886	1155	10	11.76	445	6.74	95.16	1.2	809.184	10.204
887	1155	10	11.95	447	4.57	110.85	2	927.615	16.736
888	1158	10	3.97	440	1.93	19.24	1.28	484.635	32.242

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.34	11.14	0.12	0.925	24.5
0.92	4.42	0.208	0.367	8.75
2.81	22.82	0.123	1.894	14.396
4.99	87.33	0.057	7.248	39.21
6.32	116.83	0.054	9.697	52.374
0.32	2.15	0.149	0.178	1.089
2.33	38.78	0.06	3.219	16.568
2.58	13.32	0.194	1.106	9.102
3.77	40.4	0.093	3.353	16.958
1.42	19.55	0.073	1.623	8.801
3.32	61.02	0.054	5.065	29.439
1.63	26.99	0.06	2.24	13.418
1.02	12.75	0.08	1.058	18.046
5.82	68.62	0.085	5.695	125.6
2.37	27.58	0.086	2.289	26.26
4.98	66.88	0.074	5.551	123.8
6.34	108.42	0.058	8.999	93.651
4.04	115.15	0.035	9.557	33.366
2.43	14.48	0.168	1.202	14.012
2.34	14.17	0.165	1.176	15.167
3.67	27.17	0.135	2.255	47
6.12	65.72	0.093	5.455	99.333
3.06	39.56	0.077	3.283	365
6.19	98.55	0.063	8.18	77.613
3.88	101.45	0.038	8.42	22.378
1.52	12.12	0.125	1.006	26.5
2.81	21.61	0.13	1.794	47
2.92	31.32	0.093	2.6	47.333
2.32	32.87	0.071	2.728	15.829
2.59	29.85	0.087	2.478	35.403
2.66	32.86	0.081	2.727	35.116
2.58	23.98	0.108	1.99	35.667
2.78	18.42	0.151	1.529	17
2.22	15.57	0.143	1.292	7.5
2.97	38.77	0.077	3.218	59.667
3.99	75.15	0.053	6.237	86.78
2.42	65.75	0.037	5.457	23.283
1.9	15.96	0.119	1.325	17.146
1.74	13.7	0.127	1.137	17.086
1.63	12.73	0.128	1.057	13.875
4.13	105.47	0.039	8.754	31.086
6.74	101.9	0.066	8.458	79.3
4.57	115.42	0.04	9.58	55.425
1.93	21.17	0.091	1.757	15.031

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
889	1158	10	3.71	446	1.68	17.35	1.02	467.655	27.493
890	1160	10	2.11	444	2.88	12.08	0.98	572.512	46.445
891	1160	10	2.14	442	3.07	12.79	0.69	597.664	32.243
892	1162	11	3.85	439	1.84	16.5	0.6	428.571	15.584
893	1163	11	3.55	421	2.33	24.8	0.5	698.592	14.085
894	1164	10	3.27	444	1.58	19.96	1.09	610.398	33.333
895	1164	10	3.31	444	1.67	21.01	0.75	634.743	22.659
896	1166	11	3.12	424	2.12	23.6	0.5	756.41	16.026
897	1167	11	3.22	448	1.08	11.5	0.5	357.143	15.528
898	1168	11	3.99	427	3.16	32.1	0.7	804.511	17.544
899	1169	10	4.84	448	2.68	36.15	1.26	746.901	26.033
900	1169	10	4.95	450	2.65	38.76	0.95	783.03	19.192
901	1171	11	6.2	447	3.99	51.3	0.3	827.419	4.839
902	1172	11	4.42	452	3.09	22.4	0.5	506.806	11.3
903	1173	10	7.06	449	3.13	53.94	1.39	764.023	19.688
904	1173	10	7.2	452	3	58.2	1.14	808.333	15.833
905	1175	10	10.44	452	6.37	88.33	1.35	846.073	12.931
906	1175	10	11.59	455	5.74	101.95	1.89	879.638	16.307
907	1177	10	7.6	450	4.97	61.48	1.48	808.947	19.474
908	1177	10	8.49	455	4.93	74.56	1.4	878.21	16.49
909	1179	10	8.56	449	4.99	71.74	1.45	838.084	16.939
910	1179	10		453	4.64	81.49	1.55		
911	1181	10	4.97	449	2.91	36.9	1.45	742.455	29.175
912	1181	10	4.94	451	2.79	37.1	0.94	751.012	19.028
913	1183	18	2.94	439	2.24	18.09	0.38	615.306	12.925
914	1184	18	2.96	440	1.99	25.75	0.35	869.932	11.824
915	1185	18	3.09	440	1.98	26.52	0.35	858.252	11.327
916	1186	18	2.82	443	1.63	26.3	0.36	932.624	12.766
917	1187	18	2.61	441	1.03	21.37	0.27	818.774	10.345
918	1188	18	2.16	443	0.65	12.89	0.36	596.759	16.667
919	1189	18	3.59	446	1.47	33.4	0.42	930.362	11.699
920	1190	18	3.45	443	1.41	34.61	0.45	1003.188	13.043
921	1191	18	1.65	442	1.37	13.68	0.41	829.091	24.848
922	1192	18	1.6	441	1.17	13.47	0.45	841.875	28.125
923	1193	18	2.64	444	1.93	28.4	0.61	1075.758	23.106
924	1194	18	2.22	443	1.09	23.96	0.53	1079.279	23.874
925	1195	18	3.02	442	1.8	30.68	0.8	1015.894	26.49
926	1196	18	3.04	444	1.75	33.37	0.74	1097.697	24.342
927	1197	18	2.31	442	1.08	17.01	0.74	736.364	32.035
928	1198	18	2.33	440	1.05	14.36	0.75	616.309	32.189
929	1199	18	2.84	440	1.87	24.75	0.88	871.479	30.986
930	1200	18	3.31	442	2.29	33.49	0.75	1011.782	22.659
931	1201	18	3.38	442	3.26	39.34	0.85	1163.905	25.148
932	1202	18	2.56	440	3	20.15	0.81	787.109	31.641

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.68	19.03	0.088	1.579	17.01
2.88	14.96	0.193	1.242	12.327
3.07	15.86	0.194	1.316	18.536
1.84	18.34	0.1	1.522	27.5
2.33	27.13	0.086	2.252	49.6
1.58	21.54	0.073	1.788	18.312
1.67	22.68	0.074	1.882	28.013
2.12	25.72	0.082	2.135	47.2
1.08	12.58	0.086	1.044	23
3.16	35.26	0.09	2.927	45.857
2.68	38.83	0.069	3.223	28.69
2.65	41.41	0.064	3.437	40.8
3.99	55.29	0.072	4.589	171
3.09	25.49	0.121	2.116	44.8
3.13	57.07	0.055	4.737	38.806
3	61.2	0.049	5.08	51.053
6.37	94.7	0.067	7.86	65.43
5.74	107.69	0.053	8.938	53.942
4.97	66.45	0.075	5.515	41.541
4.93	79.49	0.062	6.598	53.257
4.99	76.73	0.065	6.369	49.476
4.64	86.13	0.054	7.149	52.574
2.91	39.81	0.073	3.304	25.448
2.79	39.89	0.07	3.311	39.468
2.24	20.33	0.11	1.687	47.605
1.99	27.74	0.072	2.302	73.571
1.98	28.5	0.069	2.366	75.771
1.63	27.93	0.058	2.318	73.056
1.03	22.4	0.046	1.859	79.148
0.65	13.54	0.048	1.124	35.806
1.47	34.87	0.042	2.894	79.524
1.41	36.02	0.039	2.99	76.911
1.37	15.05	0.091	1.249	33.366
1.17	14.64	0.08	1.215	29.933
1.93	30.33	0.064	2.517	46.557
1.09	25.05	0.044	2.079	45.208
1.8	32.48	0.055	2.696	38.35
1.75	35.12	0.05	2.915	45.095
1.08	18.09	0.06	1.501	22.986
1.05	15.41	0.068	1.279	19.147
1.87	26.62	0.07	2.209	28.125
2.29	35.78	0.064	2.97	44.653
3.26	42.6	0.077	3.536	46.282
3	23.15	0.13	1.921	24.877

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
933	1203	18	4.06	439	4.77	39.71	0.82	978.079	20.197
934	1204	18	2.89	438	2.88	27.93	0.78	966.436	26.99
935	1205	18	2.85	440	3.11	29.46	0.76	1033.684	26.667
936	1206	18	4.17	440	3.4	41.14	0.76	986.571	18.225
937	1207	18	4.43	444	3.86	47	0.67	1060.948	15.124
938	1208	18	3.2	441	4.07	33.97	0.68	1061.562	21.25
939	1209	18	4.19	445	3.22	48.69	0.71	1162.053	16.945
940	1210	18	2.35	447	2.43	27.89	0.94	1186.809	40
941	1211	18	6.29	446	3.85	64.84	1.05	1030.843	16.693
942	1212	18	1.61	438	3.07	16.23	0.8	1008.075	49.689
943	1213	18	6.1	448	3.09	60.17	0.99	986.393	16.23
944	1214	18	5.11	448	3.19	55.04	0.81	1077.104	15.851
945	1215	18	5.31	447	3.94	62.53	0.84	1177.589	15.819
946	1216	18	2.24	439	2.96	17.28	0.72	771.429	32.143
947	1217	18	4.35	444	4.62	48.91	1.2	1124.368	27.586
948	1218	18	5.02	450	5.88	56.89	1.24	1133.267	24.701
949	1219	18	6.9	447	8.43	77.71	0.95	1126.232	13.768
950	1220	18	4.68	446	6.13	51.89	0.92	1108.761	19.658
951	1221	18	3.94	443	6.56	42.52	1.01	1079.188	25.635
952	1222	18	1.62	434	3.66	17.44	0.96	1076.543	59.259
953	1223	18	1.02	432	2.4	9.97	0.94	977.451	92.157
954	1224	18	1.1	435	2.16	8.99	0.88	817.273	80
955	1225	18	1.52	442	2.1	14.48	1.33	952.632	87.5
956	1226	18	2.92	446	2.09	24.46	1.11	837.671	38.014
957	1227	18	4.02	443	4.67	47.13	0.79	1172.388	19.652
958	1228	18	5.45	451	4.63	58.21	1.44	1068.073	26.422
959	1229	18	3.19	448	1.85	26.58	1.56	833.229	48.903
960	1230	18	4.64	445	2.72	41.26	1.48	889.224	31.897
961	1231	18	4.31	450	3.07	37.68	1.66	874.246	38.515
962	1232	18	5.08	446	4.49	45.19	1.4	889.567	27.559
963	1233	18	3.65	447	2.43	28	1.77	767.123	48.493
964	1234	18	4.9	448	3.5	46.22	1.78	943.265	36.327
965	1235	18	3.5	447	2.75	25.48	1.67	728	47.714
966	1236	18	4.12	444	4.01	30.6	1.82	742.718	44.175
967	1237	18	4.98	444	5.42	42.55	1.51	854.418	30.321
968	1238	18	6.02	446	4.64	56.16	1.48	932.89	24.585
969	1239	18	5.9	444	3.94	56.75	1.34	961.864	22.712
970	1240	18	11.28	446	6.25	119.66	1.32	1060.816	11.702
971	1241	18	4.62	450	1.54	42.38	1.39	917.316	30.087
972	1242	18	6.51	448	3.21	68.02	1.2	1044.854	18.433
973	1243	18	2.84	444	2.31	28.51	0.92	1003.873	32.394
974	1244	18	8.94	443	6.27	88.56	1.05	990.604	11.745
975	1245	18	11.9	443	7.85	117.49	1.14	987.311	9.58
976	1246	18	10.5	441	6.87	102.5	1.07	976.19	10.19

HC_Shows	HC_Potentia	PI	PC	S2/S3
4.77	44.48	0.107	3.692	48.427
2.88	30.81	0.093	2.557	35.808
3.11	32.57	0.095	2.703	38.763
3.4	44.54	0.076	3.697	54.132
3.86	50.86	0.076	4.221	70.149
4.07	38.04	0.107	3.157	49.956
3.22	51.91	0.062	4.309	68.577
2.43	30.32	0.08	2.517	29.67
3.85	68.69	0.056	5.701	61.752
3.07	19.3	0.159	1.602	20.287
3.09	63.26	0.049	5.251	60.778
3.19	58.23	0.055	4.833	67.951
3.94	66.47	0.059	5.517	74.44
2.96	20.24	0.146	1.68	24
4.62	53.53	0.086	4.443	40.758
5.88	62.77	0.094	5.21	45.879
8.43	86.14	0.098	7.15	81.8
6.13	58.02	0.106	4.816	56.402
6.56	49.08	0.134	4.074	42.099
3.66	21.1	0.173	1.751	18.167
2.4	12.37	0.194	1.027	10.606
2.16	11.15	0.194	0.925	10.216
2.1	16.58	0.127	1.376	10.887
2.09	26.55	0.079	2.204	22.036
4.67	51.8	0.09	4.299	59.658
4.63	62.84	0.074	5.216	40.424
1.85	28.43	0.065	2.36	17.038
2.72	43.98	0.062	3.65	27.878
3.07	40.75	0.075	3.382	22.699
4.49	49.68	0.09	4.123	32.279
2.43	30.43	0.08	2.526	15.819
3.5	49.72	0.07	4.127	25.966
2.75	28.23	0.097	2.343	15.257
4.01	34.61	0.116	2.873	16.813
5.42	47.97	0.113	3.982	28.179
4.64	60.8	0.076	5.046	37.946
3.94	60.69	0.065	5.037	42.351
6.25	125.91	0.05	10.451	90.652
1.54	43.92	0.035	3.645	30.489
3.21	71.23	0.045	5.912	56.683
2.31	30.82	0.075	2.558	30.989
6.27	94.83	0.066	7.871	84.343
7.85	125.34	0.063	10.403	103.061
6.87	109.37	0.063	9.078	95.794

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
977	1247	18	9.16	441	4.46	84.97	1.95	927.62	21.288
978	1248	18	8.04	441	6.06	79.25	0.91	985.697	11.318
979	1249	18	8.12	443	5.78	81.57	0.86	1004.557	10.591
980	1250	18	1.74	440	1.47	16.63	0.77	955.747	44.253
981	1251	18	1.06	432	1.91	10.05	1.15	948.113	108.491
982	1252	18	1.41	432	2.39	12.98	1.47	920.567	104.255
983	1253	18	9.85	445	5.39	101.44	0.83	1029.848	8.426
984	1254	18	11.47	446	7.54	124.83	1	1088.317	8.718
985	1255	18	7.27	447	5.5	71.49	0.68	983.356	9.354
986	1256	18	11.94	442	6.74	118.25	1.04	990.369	8.71
987	1257	18	7.56	437	6.06	68.91	1.22	911.508	16.138
988	1258	18	9.01	440	7.17	93.19	1.14	1034.295	12.653
989	1259	18	10.52	444	6.31	108.79	1.25	1034.125	11.882
990	1260	18	7.91	438	4.81	73.34	1.42	927.181	17.952
991	1261	18	11.32	445	6.33	111.75	1.25	987.191	11.042
992	1262	18	17.18	445	8.6	175.21	1.33	1019.849	7.742
993	1263	18	7.98	441	5.52	72.36	1.13	906.767	14.16
994	1264	18	7.56	443	4.64	78.26	1.41	1035.185	18.651
995	1265	18	5.62	444	3.48	64.1	1.08	1140.569	19.217
996	1266	18	4.88	444	2.32	47.51	1.12	973.566	22.951
997	1267	18	6.24	443	3.36	65.49	1.19	1049.519	19.071
998	1268	18	8.07	442	3.58	76.76	1.21	951.177	14.994
999	1269	18	8.87	442	4.1	98.95	1.35	1115.558	15.22
1000	1270	18	9.29	444	4.67	105.94	1.65	1140.366	17.761
1001	1271	18	9.87	441	5.14	98.81	1.27	1001.114	12.867
1002	1272	18	8.94	440	5.13	75.47	1.46	844.183	16.331
1003	1273	18	2.26	437	1.28	13.48	0.86	596.46	38.053
1004	1274	18	4.51	443	2.52	47.44	1.2	1051.885	26.608
1005	1275	18	5.37	439	4.87	64.04	1.46	1192.551	27.188
1006	1276	18	6.9	439	5.04	70.02	1.68	1014.783	24.348
1007	1277	18	7.96	443	4.04	59.16	1.69	743.216	21.231
1008	1278	18	6.17	440	2.91	51.98	1.47	842.464	23.825
1009	1279	18	9.42	439	6.43	100.58	1.55	1067.728	16.454
1010	1280	18	6.74	439	3.94	70.04	1.26	1039.169	18.694
1011	1281	18	8.51	443	5.46	94.76	1.26	1113.514	14.806
1012	1282	18	8.31	440	4.44	69.92	1.19	841.396	14.32
1013	1283	18	10.42	442	4.6	101.86	1.43	977.543	13.724
1014	1284	18	4.09	443	1.76	30.24	1.34	739.364	32.763
1015	1285	18	2.2	440	0.74	13.52	1.45	614.545	65.909
1016	1286	18	3.52	441	2.01	29.42	1.65	835.795	46.875
1017	1287	18	5.06	438	4.4	42.62	1.63	842.292	32.213
1018	1288	18	2.61	439	1.66	20.79	1.82	796.552	69.732
1019	1289	18	5.6	439	3.6	50.24	1.85	897.143	33.036
1020	1290	18	8.57	440	4.64	79.79	2	931.039	23.337

HC_Shows	HC_Potentia	PI	PC	S2/S3
4.46	89.43	0.05	7.423	43.574
6.06	85.31	0.071	7.081	87.088
5.78	87.35	0.066	7.25	94.849
1.47	18.1	0.081	1.502	21.597
1.91	11.96	0.16	0.993	8.739
2.39	15.37	0.155	1.276	8.83
5.39	106.83	0.05	8.867	122.217
7.54	132.37	0.057	10.987	124.83
5.5	76.99	0.071	6.39	105.132
6.74	124.99	0.054	10.374	113.702
6.06	74.97	0.081	6.223	56.484
7.17	100.36	0.071	8.33	81.746
6.31	115.1	0.055	9.553	87.032
4.81	78.15	0.062	6.486	51.648
6.33	118.08	0.054	9.801	89.4
8.6	183.81	0.047	15.256	131.737
5.52	77.88	0.071	6.464	64.035
4.64	82.9	0.056	6.881	55.504
3.48	67.58	0.051	5.609	59.352
2.32	49.83	0.047	4.136	42.42
3.36	68.85	0.049	5.715	55.034
3.58	80.34	0.045	6.668	63.438
4.1	103.05	0.04	8.553	73.296
4.67	110.61	0.042	9.181	64.206
5.14	103.95	0.049	8.628	77.803
5.13	80.6	0.064	6.69	51.692
1.28	14.76	0.087	1.225	15.674
2.52	49.96	0.05	4.147	39.533
4.87	68.91	0.071	5.72	43.863
5.04	75.06	0.067	6.23	41.679
4.04	63.2	0.064	5.246	35.006
2.91	54.89	0.053	4.556	35.361
6.43	107.01	0.06	8.882	64.89
3.94	73.98	0.053	6.14	55.587
5.46	100.22	0.054	8.318	75.206
4.44	74.36	0.06	6.172	58.756
4.6	106.46	0.043	8.836	71.231
1.76	32	0.055	2.656	22.567
0.74	14.26	0.052	1.184	9.324
2.01	31.43	0.064	2.609	17.83
4.4	47.02	0.094	3.903	26.147
1.66	22.45	0.074	1.863	11.423
3.6	53.84	0.067	4.469	27.157
4.64	84.43	0.055	7.008	39.895

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1021	1291	18	9.33	445	4.71	105.02	1.83	1125.616	19.614
1022	1292	18	5.83	440	3.79	57.07	1.55	978.902	26.587
1023	1293	18	13.22	443	7.61	134.01	1.79	1013.691	13.54
1024	1294	18	16.99	446	10.02	169.88	1.84	999.882	10.83
1025	1295	18	11.81	441	5.65	117.27	1.59	992.972	13.463
1026	1296	18	7.41	442	4.12	74.94	1.75	1011.336	23.617
1027	1297	18	6.82	442	5.78	76.99	0.7	1128.886	10.264
1028	1298	18	7.84	445	4.69	93.38	1.47	1191.071	18.75
1029	1299	18	3.24	440	3.55	38.61	0.75	1191.667	23.148
1030	1300	18	1.24	441	1.43	9.54	0.33	769.355	26.613
1031	1301	18	1.58	443	1.86	13.76	0.42	870.886	26.582
1032	1302	18	0.98	441	0.57	6.3	0.44	642.857	44.898
1033	1303	18	0.62	438	0.53	4.49	0.49	724.194	79.032
1034	1304	18	2.21	442	1.93	26.51	0.21	1199.548	9.502
1035	1305	18	6.31	447	4	67.15	1.28	1064.184	20.285
1036	1306	18	5.43	444	3.23	56.52	1.78	1040.884	32.781
1037	1307	18	1.9	442	1.93	16.46	0.25	866.316	13.158
1038	1308	18	4.3	443	3.15	39.33	0.81	914.651	18.837
1039	1309	18	3.78	445	2.55	31.57	1.18	835.185	31.217
1040	1310	18	4.14	443	2.9	41.27	0.71	996.86	17.15
1041	1311	18	5.08	446	2.75	47.61	0.92	937.205	18.11
1042	1312	18	6.2	446	2.95	61.54	1.2	992.581	19.355
1043	1313	18	4.71	446	2.89	42.62	1	904.883	21.231
1044	1314	18	0.92	441	0.46	4.22	0.72	458.696	78.261
1045	1315	18	2.27	444	2.36	16.46	0.95	725.11	41.85
1046	1316	18	4.71	446	2.83	44.65	1.19	947.983	25.265
1047	1317	18	6.65	448	3.5	64.62	1.09	971.729	16.391
1048	1318	18	6.2	449	2.57	55.08	1.08	888.387	17.419
1049	1319	18	5.61	449	2.64	58.34	0.86	1039.929	15.33
1050	1320	18	6.73	451	2.82	74.02	0.69	1099.851	10.253
1051	1321	18	10.06	450	4.79	110.75	0.75	1100.895	7.455
1052	1322	18	0.62	422	2.35	3.71	0.85	598.387	137.097
1053	1323	18	5.83	450	4.16	62.12	0.68	1065.523	11.664
1054	1324	18	1.05	424	4.08	7.59	0.86	722.857	81.905
1055	1325	18	1.63	440	2.72	12.61	0.75	773.62	46.012
1056	1326	18	4.54	446	2.95	45.86	0.93	1010.132	20.485
1057	1327	18	4.1	443	3.18	38.66	1.01	942.927	24.634
1058	1328	18	2.94	442	2.62	24.59	0.92	836.395	31.293
1059	1329	18	2.88	443	2.99	23.24	0.81	806.944	28.125
1060	1330	18	2.33	442	2.59	17.28	0.78	741.631	33.476
1061	1331	18	7.9	448	4.32	80.79	0.97	1022.658	12.278
1062	1332	18	9.86	449	4.21	106.37	0.97	1078.803	9.838
1063	1333	18	7.16	445	4.44	70.42	1.1	983.52	15.363
1064	1334	18	3.18	444	2.08	26.55	0.79	834.906	24.843

HC_Shows	HC_Potentia	PI	PC	S2/S3
4.71	109.73	0.043	9.108	57.388
3.79	60.86	0.062	5.051	36.819
7.61	141.62	0.054	11.754	74.866
10.02	179.9	0.056	14.932	92.326
5.65	122.92	0.046	10.202	73.755
4.12	79.06	0.052	6.562	42.823
5.78	82.77	0.07	6.87	109.986
4.69	98.07	0.048	8.14	63.524
3.55	42.16	0.084	3.499	51.48
1.43	10.97	0.13	0.911	28.909
1.86	15.62	0.119	1.296	32.762
0.57	6.87	0.083	0.57	14.318
0.53	5.02	0.106	0.417	9.163
1.93	28.44	0.068	2.361	126.238
4	71.15	0.056	5.905	52.461
3.23	59.75	0.054	4.959	31.753
1.93	18.39	0.105	1.526	65.84
3.15	42.48	0.074	3.526	48.556
2.55	34.12	0.075	2.832	26.754
2.9	44.17	0.066	3.666	58.127
2.75	50.36	0.055	4.18	51.75
2.95	64.49	0.046	5.353	51.283
2.89	45.51	0.064	3.777	42.62
0.46	4.68	0.098	0.388	5.861
2.36	18.82	0.125	1.562	17.326
2.83	47.48	0.06	3.941	37.521
3.5	68.12	0.051	5.654	59.284
2.57	57.65	0.045	4.785	51
2.64	60.98	0.043	5.061	67.837
2.82	76.84	0.037	6.378	107.275
4.79	115.54	0.041	9.59	147.667
2.35	6.06	0.388	0.503	4.365
4.16	66.28	0.063	5.501	91.353
4.08	11.67	0.35	0.969	8.826
2.72	15.33	0.177	1.272	16.813
2.95	48.81	0.06	4.051	49.312
3.18	41.84	0.076	3.473	38.277
2.62	27.21	0.096	2.258	26.728
2.99	26.23	0.114	2.177	28.691
2.59	19.87	0.13	1.649	22.154
4.32	85.11	0.051	7.064	83.289
4.21	110.58	0.038	9.178	109.66
4.44	74.86	0.059	6.213	64.018
2.08	28.63	0.073	2.376	33.608

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1065	1335	18	2.52	444	1.56	19.12	0.66	758.73	26.19
1066	1336	18	1.38	442	0.58	6.81	0.4	493.478	28.986
1067	1337	18	2.86	447	1.92	23.89	0.75	835.315	26.224
1068	1338	18	4.47	445	3.43	34.96	0.63	782.103	14.094
1069	1339	18	3.87	442	3.33	24.21	0.85	625.581	21.964
1070	1340	18	3.02	444	3.36	22.71	0.88	751.987	29.139
1071	1341	18	1.71	444	2.28	12.85	0.85	751.462	49.708
1072	1342	18	3.75	449	2.63	31.55	1.13	841.333	30.133
1073	1343	18	4.96	451	3.06	47.69	1.08	961.492	21.774
1074	1344	18	6.24	451	3.84	69.93	1.06	1120.673	16.987
1075	1345	18	6.53	444	3.95	65.75	0.82	1006.891	12.557
1076	1346	18	2.91	444	2.04	27.44	1.27	942.955	43.643
1077	1347	18	1.86	443	1.81	12.7	1.08	682.796	58.065
1078	1348	18	3.67	441	2.02	26.37	1.13	718.529	30.79
1079	1349	18	8.86	448	4.45	94.47	1.42	1066.253	16.027
1080	1350	18	11.82	447	5.75	141.26	1.69	1195.093	14.298
1081	1351	18	14.29	449	6.61	169.11	1.39	1183.415	9.727
1082	1352	18	9.27	448	4.88	110.94	1.44	1196.764	15.534
1083	1353	18	11.58	448	6.86	137.91	1.27	1190.933	10.967
1084	1354	18	11.55	448	6.85	138.16	1.25	1196.19	10.823
1085	1355	18	11.8	449	6.45	140.11	0.76	1187.373	6.441
1086	1356	18	12	446	7.15	137.65	1.6	1147.083	13.333
1087	1357	18	10.94	445	6.91	118.16	1.12	1080.073	10.238
1088	1358	18	11.14	444	6.52	112.11	1.14	1006.373	10.233
1089	1359	18	7.28	441	5.68	85.48	1.13	1174.176	15.522
1090	1360	18	11.02	444	7.21	121.6	0.81	1103.448	7.35
1091	1361	18	10.13	443	5.82	101.53	0.69	1002.27	6.811
1092	1362	18	10.24	443	5.41	100.44	0.58	980.859	5.664
1093	1363	18	8.68	443	5.03	87.59	0.43	1009.101	4.954
1094	1364	18	4.3	445	3	44.7	0.34	1039.535	7.907
1095	1365	18	12.32	446	6.59	139.54	0.65	1132.63	5.276
1096	1366	18	2.9	443	3.33	20.49	0.43	706.552	14.828
1097	1367	18	12.62	445	8.03	140.93	0.5	1116.719	3.962
1098	1368	18	5.58	443	5.03	56.93	0.34	1020.251	6.093
1099	1369	18	2.82	436	3.41	20.4	0.4	723.404	14.184
1100	1370	18	4.76	442	4.35	39.63	0.41	832.563	8.613
1101	1371	18	5.2	442	4.36	46.55	0.31	895.192	5.962
1102	1372	18	6.14	445	4.5	63.49	0.38	1034.039	6.189
1103	1373	18	1.86	443	1.33	13.48	0.37	724.731	19.892
1104	1374	18	2	441	1.82	13.39	0.24	669.5	12
1105	1375	18	1.08	440	0.77	4.82	0.12	446.296	11.111
1106	1376	18	0.97	439	0.51	4.22	0.1	435.052	10.309
1107	1377	18	1.26	441	0.84	6.85	0.05	543.651	3.968
1108	1378	18	1.04	436	1.18	7.13	0.96	685.577	92.308

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.56	20.68	0.075	1.716	28.97
0.58	7.39	0.078	0.613	17.025
1.92	25.81	0.074	2.142	31.853
3.43	38.39	0.089	3.186	55.492
3.33	27.54	0.121	2.286	28.482
3.36	26.07	0.129	2.164	25.807
2.28	15.13	0.151	1.256	15.118
2.63	34.18	0.077	2.837	27.92
3.06	50.75	0.06	4.212	44.157
3.84	73.77	0.052	6.123	65.972
3.95	69.7	0.057	5.785	80.183
2.04	29.48	0.069	2.447	21.606
1.81	14.51	0.125	1.204	11.759
2.02	28.39	0.071	2.356	23.336
4.45	98.92	0.045	8.21	66.528
5.75	147.01	0.039	12.202	83.586
6.61	175.72	0.038	14.585	121.662
4.88	115.82	0.042	9.613	77.042
6.86	144.77	0.047	12.016	108.591
6.85	145.01	0.047	12.036	110.528
6.45	146.56	0.044	12.164	184.355
7.15	144.8	0.049	12.018	86.031
6.91	125.07	0.055	10.381	105.5
6.52	118.63	0.055	9.846	98.342
5.68	91.16	0.062	7.566	75.646
7.21	128.81	0.056	10.691	150.123
5.82	107.35	0.054	8.91	147.145
5.41	105.85	0.051	8.786	173.172
5.03	92.62	0.054	7.687	203.698
3	47.7	0.063	3.959	131.471
6.59	146.13	0.045	12.129	214.677
3.33	23.82	0.14	1.977	47.651
8.03	148.96	0.054	12.364	281.86
5.03	61.96	0.081	5.143	167.441
3.41	23.81	0.143	1.976	51
4.35	43.98	0.099	3.65	96.659
4.36	50.91	0.086	4.226	150.161
4.5	67.99	0.066	5.643	167.079
1.33	14.81	0.09	1.229	36.432
1.82	15.21	0.12	1.262	55.792
0.77	5.59	0.138	0.464	40.167
0.51	4.73	0.108	0.393	42.2
0.84	7.69	0.109	0.638	137
1.18	8.31	0.142	0.69	7.427

Dh_Rock	Dh_Sample_Id	Refe	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1109	1379	18	0.6	437	0.33	1.99	0.63	331.667	105
1110	1380	18	0.74	437	0.41	2.36	0.79	318.919	106.757
1111	1381	18	0.75	436	0.4	2.66	0.91	354.667	121.333
1112	1382	18	0.52	436	0.22	1.36	0.63	261.538	121.154
1113	1383	18	0.82	436	0.39	2.23	0.93	271.951	113.415
1114	1384	18	2.94	443	1.97	20.56	0.95	699.32	32.313
1115	1385	18	2.31	442	1.93	14.88	0.87	644.156	37.662
1116	1386	18	2.29	441	1.79	15.33	0.94	669.432	41.048
1117	1387	18	3.58	445	2.22	31.64	0.45	883.799	12.57
1118	1388	18	2.29	444	1.86	17.82	0.41	778.166	17.904
1119	1389	18	3.18	443	3.05	24.37	0.48	766.352	15.094
1120	1390	18	3.25	444	2.26	26.53	0.4	816.308	12.308
1121	1391	18	2.74	444	1.7	19.59	0.38	714.964	13.869
1122	1392	18	3.38	445	1.96	25.64	0.45	758.58	13.314
1123	1393	18	1.6	445	0.54	6.71	0.39	419.375	24.375
1124	1394	18	1.37	440	0.7	5.39	0.31	393.431	22.628
1125	1395	18	1.63	438	1.16	6.81	0.43	417.791	26.38
1126	1396	18	2.5	441	2.87	14.19	0.49	567.6	19.6
1127	1397	18	6.88	448	4.71	63.23	0.69	919.041	10.029
1128	1398	18	8.47	446	5.37	86.78	0.77	1024.557	9.091
1129	1399	18	8	444	6.93	82.45	0.64	1030.625	8
1130	1400	18	2.69	443	2.83	17.29	0.69	642.751	25.651
1131	1401	18	2.62	443	2.83	15.67	0.57	598.092	21.756
1132	1402	18	3.74	445	3.44	32.67	0.57	873.529	15.241
1133	1403	18	4.22	445	4.76	34.25	0.71	811.611	16.825
1134	1404	18	1.98	440	5.56	14.11	0.49	712.626	24.747
1135	1405	18	6.38	444	6.55	60.96	0.55	955.486	8.621
1136	1406	18	2.6	445	2.2	16.89	0.88	649.615	33.846
1137	1407	18	1.81	443	1.16	9.75	0.75	538.674	41.436
1138	1408	18	2.02	445	1.44	12.72	0.58	629.703	28.713
1139	1409	18	1.34	439	0.69	4.56	0.64	340.299	47.761
1140	1410	18	0.94	442	0.45	2.74	0.52	291.489	55.319
1141	1411	18	0.52	441	0.5	1.5	0.42	288.462	80.769
1142	1412	18	0.7	443	0.77	2.62	0.45	374.286	64.286
1143	1413	18	3.22	446	3.44	24.24	0.64	752.795	19.876
1144	1414	18	5.18	445	5.72	49.97	0.8	964.672	15.444
1145	1415	18	7.02	444	7.35	72.36	0.89	1030.769	12.678
1146	1416	18	5.41	442	5.62	49.11	0.98	907.763	18.115
1147	1417	18	5.56	445	5.02	56.87	0.82	1022.842	14.748
1148	1418	18	9.24	444	7.91	104.55	0.92	1131.494	9.957
1149	1419	18	2.41	437	1.01	15.66	0.61	649.793	25.311
1150	1420	18	2.09	439	1.38	13.06	0.68	624.88	32.536
1151	1421	18	3.76	441	2.2	40.64	0.79	1080.851	21.011
1152	1422	18	3.88	445	1.77	42.76	0.71	1102.062	18.299

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.33	2.32	0.142	0.193	3.159
0.41	2.77	0.148	0.23	2.987
0.4	3.06	0.131	0.254	2.923
0.22	1.58	0.139	0.131	2.159
0.39	2.62	0.149	0.217	2.398
1.97	22.53	0.087	1.87	21.642
1.93	16.81	0.115	1.395	17.103
1.79	17.12	0.105	1.421	16.309
2.22	33.86	0.066	2.81	70.311
1.86	19.68	0.095	1.633	43.463
3.05	27.42	0.111	2.276	50.771
2.26	28.79	0.078	2.39	66.325
1.7	21.29	0.08	1.767	51.553
1.96	27.6	0.071	2.291	56.978
0.54	7.25	0.074	0.602	17.205
0.7	6.09	0.115	0.505	17.387
1.16	7.97	0.146	0.662	15.837
2.87	17.06	0.168	1.416	28.959
4.71	67.94	0.069	5.639	91.638
5.37	92.15	0.058	7.648	112.701
6.93	89.38	0.078	7.419	128.828
2.83	20.12	0.141	1.67	25.058
2.83	18.5	0.153	1.536	27.491
3.44	36.11	0.095	2.997	57.316
4.76	39.01	0.122	3.238	48.239
5.56	19.67	0.283	1.633	28.796
6.55	67.51	0.097	5.603	110.836
2.2	19.09	0.115	1.584	19.193
1.16	10.91	0.106	0.906	13
1.44	14.16	0.102	1.175	21.931
0.69	5.25	0.131	0.436	7.125
0.45	3.19	0.141	0.265	5.269
0.5	2	0.25	0.166	3.571
0.77	3.39	0.227	0.281	5.822
3.44	27.68	0.124	2.297	37.875
5.72	55.69	0.103	4.622	62.462
7.35	79.71	0.092	6.616	81.303
5.62	54.73	0.103	4.543	50.112
5.02	61.89	0.081	5.137	69.354
7.91	112.46	0.07	9.334	113.641
1.01	16.67	0.061	1.384	25.672
1.38	14.44	0.096	1.199	19.206
2.2	42.84	0.051	3.556	51.443
1.77	44.53	0.04	3.696	60.225

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1153	1423	18	2.98	442	1.86	25.04	1.06	840.268	35.57
1154	1424	18	5.77	439	3.84	62.06	0.22	1075.563	3.813
1155	1425	18	3.8	440	2.44	39.39	0.97	1036.579	25.526
1156	1426	18	2.24	432	4.88	17.76	1	792.857	44.643
1157	1427	18	6.25	440	4.18	70.94	1.08	1135.04	17.28
1158	1428	18	4.42	440	4.67	46.33	0.83	1048.19	18.778
1159	1429	18	6.33	442	3.92	65.15	0.97	1029.226	15.324
1160	1430	18	3.42	438	2.63	34.81	0.93	1017.836	27.193
1161	1431	18	2.78	439	2.02	30.66	0.82	1102.878	29.496
1162	1432	18	2.06	442	1.66	24.08	0.91	1168.932	44.175
1163	1433	18	2.47	440	1.96	24.11	0.94	976.113	38.057
1164	1434	18	1.85	439	1.12	19.61	0.86	1060	46.486
1165	1435	18	3.22	437	1.72	29.59	0.28	918.944	8.696
1166	1436	18	2.32	438	1.52	23.68	0.33	1020.69	14.224
1167	1437	18	2.14	436	1.61	23.47	0.24	1096.729	11.215
1168	1438	18	3.12	444	2.04	32.66	0.89	1046.795	28.526
1169	1439	18	6.36	448	2.66	74.84	1.3	1176.73	20.44
1170	1440	18	7.27	441	5.22	81.09	1.03	1115.406	14.168
1171	1441	18	3.5	442	3.66	31.65	0.9	904.286	25.714
1172	1442	18	2.42	440	0.99	14.66	0.89	605.785	36.777
1173	1443	18	4.06	443	1.69	40.01	1	985.468	24.631
1174	1444	18	7.3	447	2.66	76.68	1	1050.411	13.699
1175	1445	18	7.57	446	3.01	74.38	1	982.563	13.21
1176	1446	18	6.42	446	3.04	67.18	0.89	1046.417	13.863
1177	1447	18	4.5	447	1.86	49.06	1	1090.222	22.222
1178	1448	18	6.14	444	3.47	72.8	0.89	1185.668	14.495
1179	1449	18	3.33	442	3.28	28.27	0.78	848.949	23.423
1180	1450	18	2.33	438	2.38	14.66	0.79	629.185	33.906
1181	1451	18	2.4	440	2.49	14.36	0.79	598.333	32.917
1182	1452	18	2.17	439	2.27	15.61	0.79	719.355	36.406
1183	1453	18	2.74	443	1.94	24.78	0.94	904.38	34.307
1184	1454	18	3	443	2.25	27.55	0.91	918.333	30.333
1185	1455	18	2.24	444	1.23	17.46	0.88	779.464	39.286
1186	1456	18	2.9	444	1.54	33.33	0.97	1149.31	33.448
1187	1457	18	4.2	440	2.06	32.74	1.04	779.524	24.762
1188	1458	18	1.68	437	1.63	11.9	1.17	708.333	69.643
1189	1459	18	1.93	437	1.76	8.41	1.25	435.751	64.767
1190	1460	18	2.33	439	2.53	10.54	1.12	452.361	48.069
1191	1461	18	3.47	439	2.81	24.02	1.2	692.219	34.582
1192	1462	18	2.96	439	2.2	20.56	1.09	694.595	36.824
1193	1463	18	4.57	441	2.61	37.11	1.05	812.035	22.976
1194	1464	18	2.29	438	1.36	14.74	1.33	643.668	58.079
1195	1465	18	3.62	441	1.33	31.51	1.65	870.442	45.58
1196	1466	18	8.28	450	1.84	98.12	1.2	1185.024	14.493

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.86	26.9	0.069	2.233	23.623
3.84	65.9	0.058	5.47	282.091
2.44	41.83	0.058	3.472	40.608
4.88	22.64	0.216	1.879	17.76
4.18	75.12	0.056	6.235	65.685
4.67	51	0.092	4.233	55.819
3.92	69.07	0.057	5.733	67.165
2.63	37.44	0.07	3.108	37.43
2.02	32.68	0.062	2.712	37.39
1.66	25.74	0.064	2.136	26.462
1.96	26.07	0.075	2.164	25.649
1.12	20.73	0.054	1.721	22.802
1.72	31.31	0.055	2.599	105.679
1.52	25.2	0.06	2.092	71.758
1.61	25.08	0.064	2.082	97.792
2.04	34.7	0.059	2.88	36.697
2.66	77.5	0.034	6.432	57.569
5.22	86.31	0.06	7.164	78.728
3.66	35.31	0.104	2.931	35.167
0.99	15.65	0.063	1.299	16.472
1.69	41.7	0.041	3.461	40.01
2.66	79.34	0.034	6.585	76.68
3.01	77.39	0.039	6.423	74.38
3.04	70.22	0.043	5.828	75.483
1.86	50.92	0.037	4.226	49.06
3.47	76.27	0.045	6.33	81.798
3.28	31.55	0.104	2.619	36.244
2.38	17.04	0.14	1.414	18.557
2.49	16.85	0.148	1.399	18.177
2.27	17.88	0.127	1.484	19.759
1.94	26.72	0.073	2.218	26.362
2.25	29.8	0.076	2.473	30.275
1.23	18.69	0.066	1.551	19.841
1.54	34.87	0.044	2.894	34.361
2.06	34.8	0.059	2.888	31.481
1.63	13.53	0.12	1.123	10.171
1.76	10.17	0.173	0.844	6.728
2.53	13.07	0.194	1.085	9.411
2.81	26.83	0.105	2.227	20.017
2.2	22.76	0.097	1.889	18.862
2.61	39.72	0.066	3.297	35.343
1.36	16.1	0.084	1.336	11.083
1.33	32.84	0.04	2.726	19.097
1.84	99.96	0.018	8.297	81.767

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1197	1467	18	3.84	445	0.98	45.53	1.09	1185.677	28.385
1198	1468	18	5.55	449	1.62	60.42	1	1088.649	18.018
1199	1469	18	1.74	440	0.81	10.75	0.95	617.816	54.598
1200	1470	18	2.84	443	1.31	23.16	1.16	815.493	40.845
1201	1471	18	1.74	443	0.83	16.26	0.97	934.483	55.747
1202	1472	18	3.2	441	1.43	26.03	0.86	813.438	26.875
1203	1473	18	1.66	443	0.74	11.61	1.25	699.398	75.301
1204	1474	18	4.62	442	3.22	46.74	1.2	1011.688	25.974
1205	1475	18	5.74	445	3.52	59.13	1.4	1030.139	24.39
1206	1476	18	4.37	442	2.86	48.3	1.66	1105.263	37.986
1207	1477	18	2.98	442	2.46	25.53	1.31	856.711	43.96
1208	1478	18	3.6	442	2.16	36.02	1.27	1000.556	35.278
1209	1479	18	3.42	441	1.69	32.76	1.12	957.895	32.749
1210	1480	18	5.02	444	2.18	50.02	1.13	996.414	22.51
1211	1481	18	5.78	443	2.25	59.94	0.99	1037.024	17.128
1212	1482	18	7.31	446	6.75	74.63	1.45	1020.93	19.836
1213	1483	18	1.28	438	5.3	7.12	0.85	556.25	66.406
1214	1484	18	1.2	435	4.67	6.93	0.77	577.5	64.167
1215	1485	18	1.27	435	3.1	8.59	1.06	676.378	83.465
1216	1486	18	0.89	450	1.14	3.9	0.72	438.202	80.899
1217	1487	18	0.33	429	0.27	0.35	0.16	106.061	48.485
1218	1488	18	3.67	459	1.52	29.55	0.53	805.177	14.441
1219	1489	18	4.14	457	1.3	31.96	0.71	771.981	17.15
1220	1490	18	3.16	457	0.66	26.57	0.51	840.823	16.139
1221	1491	18	4.14	458	0.81	33.86	0.61	817.874	14.734
1222	1492	18	2.92	443	1.16	22.02	0.24	754.11	8.219
1223	1493	18	2.65	456	0.79	25.17	0.57	949.811	21.509
1224	1494	18	3.01	443	2.78	28.74	1.63	954.817	54.153
1225	1495	18	14.08	445	7.66	159.9	1.12	1135.653	7.955
1226	1496	18	7.65	445	4.7	82.97	1.27	1084.575	16.601
1227	1497	18	16.36	447	7.7	180.68	1.26	1104.401	7.702
1228	1498	18	6.46	442	3.89	72.76	1.22	1126.316	18.885
1229	1499	18	5.54	446	3.1	58.76	1.12	1060.65	20.217
1230	1500	18	6.93	445	4.02	77.54	1.22	1118.903	17.605
1231	1501	18	3.84	446	2.5	45.75	1.16	1191.406	30.208
1232	1502	18	8.24	447	5.96	89.88	1.46	1090.777	17.718
1233	1503	18	6.1	443	6.29	58.36	1.35	956.721	22.131
1234	1504	18	8.09	447	5.33	96.18	1.83	1188.875	22.621
1235	1505	18	2.66	442	2.76	20.05	0.87	753.759	32.707
1236	1506	18	10.21	446	8.04	119.02	1.36	1165.72	13.32
1237	1507	18	11.22	447	7.73	139.68	1.55	1244.92	13.815
1238	1508	18	11.78	443	8.44	139.82	1.38	1186.927	11.715
1239	1509	18	11.8	444	9.34	141.31	1.62	1197.542	13.729
1240	1510	18	10	442	7.16	107.33	1.51	1073.3	15.1

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.98	46.51	0.021	3.86	41.771
1.62	62.04	0.026	5.149	60.42
0.81	11.56	0.07	0.959	11.316
1.31	24.47	0.054	2.031	19.966
0.83	17.09	0.049	1.418	16.763
1.43	27.46	0.052	2.279	30.267
0.74	12.35	0.06	1.025	9.288
3.22	49.96	0.064	4.147	38.95
3.52	62.65	0.056	5.2	42.236
2.86	51.16	0.056	4.246	29.096
2.46	27.99	0.088	2.323	19.489
2.16	38.18	0.057	3.169	28.362
1.69	34.45	0.049	2.859	29.25
2.18	52.2	0.042	4.333	44.265
2.25	62.19	0.036	5.162	60.545
6.75	81.38	0.083	6.755	51.469
5.3	12.42	0.427	1.031	8.376
4.67	11.6	0.403	0.963	9
3.1	11.69	0.265	0.97	8.104
1.14	5.04	0.226	0.418	5.417
0.27	0.62	0.435	0.051	2.188
1.52	31.07	0.049	2.579	55.755
1.3	33.26	0.039	2.761	45.014
0.66	27.23	0.024	2.26	52.098
0.81	34.67	0.023	2.878	55.508
1.16	23.18	0.05	1.924	91.75
0.79	25.96	0.03	2.155	44.158
2.78	31.52	0.088	2.616	17.632
7.66	167.56	0.046	13.907	142.768
4.7	87.67	0.054	7.277	65.331
7.7	188.38	0.041	15.636	143.397
3.89	76.65	0.051	6.362	59.639
3.1	61.86	0.05	5.134	52.464
4.02	81.56	0.049	6.769	63.557
2.5	48.25	0.052	4.005	39.44
5.96	95.84	0.062	7.955	61.562
6.29	64.65	0.097	5.366	43.23
5.33	101.51	0.053	8.425	52.557
2.76	22.81	0.121	1.893	23.046
8.04	127.06	0.063	10.546	87.515
7.73	147.41	0.052	12.235	90.116
8.44	148.26	0.057	12.306	101.319
9.34	150.65	0.062	12.504	87.228
7.16	114.49	0.063	9.503	71.079

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1241	1511	18	12.44	445	7.71	146.61	1.79	1178.537	14.389
1242	1512	18	12.47	448	7.01	153.31	1.59	1229.431	12.751
1243	1513	18	12.28	445	6.33	141.51	1.61	1152.362	13.111
1244	1514	18	6.27	444	4.8	65.04	1.19	1037.321	18.979
1245	1515	18	12.65	448	7.5	140.38	1.21	1109.723	9.565
1246	1516	18	9.64	446	7.12	106.05	1.84	1100.104	19.087
1247	1517	18	6.31	439	5.58	58.29	1.56	923.772	24.723
1248	1518	18	3.45	438	2.7	28.81	1.03	835.072	29.855
1249	1519	18	2.93	439	1.75	20.27	0.95	691.809	32.423
1250	1520	18	2.96	446	1.55	23.86	0.69	806.081	23.311
1251	1521	18	1.58	441	1.35	6.76	0.37	427.848	23.418
1252	1522	18	1.25	438	1.14	5.02	0.53	401.6	42.4
1253	1523	18	1.45	436	1.26	5.88	0.59	405.517	40.69
1254	1524	18	1.4	436	1.31	5.28	0.61	377.143	43.571
1255	1525	18	2.03	438	2.69	10.4	0.98	512.315	48.276
1256	1526	18	2.84	435	3.23	18.42	2	648.592	70.423
1257	1527	18	3.27	456	2.64	26.95	0.8	824.159	24.465
1258	1528	18	4.27	455	3.28	35.52	0.81	831.85	18.97
1259	1529	18	4.32	450	3.43	36.45	0.97	843.75	22.454
1260	1530	18	6.1	439	6.09	52.46	0.99	860	16.23
1261	1531	18	8.04	452	5.35	84.9	1.07	1055.97	13.308
1262	1532	18	7.44	456	4.37	74.07	0.91	995.565	12.231
1263	1533	18	3.88	448	2.67	37.59	0.88	968.814	22.68
1264	1534	18	7.37	459	3.82	76.33	0.91	1035.685	12.347
1265	1535	18	3.02	444	2.26	23.32	0.77	772.185	25.497
1266	1536	18	3.9	449	3.29	36.73	1.13	941.795	28.974
1267	1537	18	2.75	440	2.44	21.91	1.01	796.727	36.727
1268	1538	18	6.96	443	4.08	65.52	1.14	941.379	16.379
1269	1539	18	6.69	440	4.76	60.96	0.91	911.211	13.602
1270	1540	18	4.22	442	3.12	36.38	0.9	862.085	21.327
1271	1541	18	4.73	440	4.11	45.01	0.81	951.586	17.125
1272	1542	18	8	443	4.75	80.02	0.95	1000.25	11.875
1273	1543	18	10.38	440	7.67	105.87	0.92	1019.942	8.863
1274	1544	18	6.53	438	7.35	62.54	0.75	957.734	11.485
1275	1545	18	8.51	440	9.25	91.46	0.69	1074.736	8.108
1276	1546	18	3.36	434	4.69	27.64	0.56	822.619	16.667
1277	1547	18	6.86	441	7.28	72.71	0.55	1059.913	8.017
1278	1548	18	5.84	437	7.53	56.4	0.62	965.753	10.616
1279	1549	18	6.66	439	6.04	60.8	0.75	912.913	11.261
1280	1550	18	8.4	439	7.08	84.91	0.69	1010.833	8.214
1281	1551	18	4.52	439	5.4	47.44	0.65	1049.558	14.381
1282	1552	18	4.08	436	5.44	35.01	0.8	858.088	19.608
1283	1553	18	7.82	439	7.36	85.68	1.03	1095.652	13.171
1284	1554	18	6.21	441	4.85	62.62	1.11	1008.374	17.874

HC_Shows	HC_Potentia	PI	PC	S2/S3
7.71	154.32	0.05	12.809	81.905
7.01	160.32	0.044	13.307	96.421
6.33	147.84	0.043	12.271	87.894
4.8	69.84	0.069	5.797	54.655
7.5	147.88	0.051	12.274	116.017
7.12	113.17	0.063	9.393	57.636
5.58	63.87	0.087	5.301	37.365
2.7	31.51	0.086	2.615	27.971
1.75	22.02	0.079	1.828	21.337
1.55	25.41	0.061	2.109	34.58
1.35	8.11	0.166	0.673	18.27
1.14	6.16	0.185	0.511	9.472
1.26	7.14	0.176	0.593	9.966
1.31	6.59	0.199	0.547	8.656
2.69	13.09	0.206	1.086	10.612
3.23	21.65	0.149	1.797	9.21
2.64	29.59	0.089	2.456	33.688
3.28	38.8	0.085	3.22	43.852
3.43	39.88	0.086	3.31	37.577
6.09	58.55	0.104	4.86	52.99
5.35	90.25	0.059	7.491	79.346
4.37	78.44	0.056	6.511	81.396
2.67	40.26	0.066	3.342	42.716
3.82	80.15	0.048	6.652	83.879
2.26	25.58	0.088	2.123	30.286
3.29	40.02	0.082	3.322	32.504
2.44	24.35	0.1	2.021	21.693
4.08	69.6	0.059	5.777	57.474
4.76	65.72	0.072	5.455	66.989
3.12	39.5	0.079	3.278	40.422
4.11	49.12	0.084	4.077	55.568
4.75	84.77	0.056	7.036	84.232
7.67	113.54	0.068	9.424	115.076
7.35	69.89	0.105	5.801	83.387
9.25	100.71	0.092	8.359	132.551
4.69	32.33	0.145	2.683	49.357
7.28	79.99	0.091	6.639	132.2
7.53	63.93	0.118	5.306	90.968
6.04	66.84	0.09	5.548	81.067
7.08	91.99	0.077	7.635	123.058
5.4	52.84	0.102	4.386	72.985
5.44	40.45	0.134	3.357	43.762
7.36	93.04	0.079	7.722	83.184
4.85	67.47	0.072	5.6	56.414

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1285	1555	18	2.92	439	3.08	20.58	1.26	704.795	43.151
1286	1556	18	2.26	439	3.43	15.15	1.28	670.354	56.637
1287	1557	18	2.84	439	3.56	23.34	1.24	821.831	43.662
1288	1558	18	5.15	439	3.51	45.31	1.16	879.806	22.524
1289	1559	18	4.44	441	3.54	45.31	1.24	1020.495	27.928
1290	1560	18	5.4	441	2.56	58.32	0.96	1080	17.778
1291	1561	18	6.85	446	1.96	64.16	0.87	936.642	12.701
1292	1562	18	5.66	440	2.67	58.07	0.28	1025.972	4.947
1293	1563	18	4.23	437	1.97	41.06	0.46	970.686	10.875
1294	1564	18	5.98	443	2.85	57.66	0.63	964.214	10.535
1295	1565	18	4.98	445	2.31	46.18	0.73	927.309	14.659
1296	1566	18	6.58	444	2.56	78.32	1.01	1190.274	15.35
1297	1567	18	6.82	443	2.5	23.58	0.8	345.748	11.73
1298	1568	18	6.86	446	1.95	69.19	0.92	1008.601	13.411
1299	1569	18	5.15	445	2.29	50.84	0.91	987.184	17.67
1300	1570	18	6.33	442	3.65	60.03	0.93	948.341	14.692
1301	1571	18	5.94	444	3.94	64.7	0.86	1089.226	14.478
1302	1572	18	6.74	447	3.4	75.92	0.76	1126.409	11.276
1303	1573	18	6.64	446	3.16	79.94	0.82	1203.916	12.349
1304	1574	18	6.76	441	3.15	69.61	0.87	1029.734	12.87
1305	1575	18	5.69	443	2.79	68.33	0.85	1200.879	14.938
1306	1576	18	5.16	444	2.44	52.77	0.76	1022.674	14.729
1307	1577	18	9.05	445	3.88	95.74	0.81	1057.901	8.95
1308	1578	18	8.53	445	3.97	89.56	0.83	1049.941	9.73
1309	1579	18	4.17	438	3.91	38.98	0.77	934.772	18.465
1310	1580	18	3.54	446	1.8	30.96	0.99	874.576	27.966
1311	1581	18	6.28	444	2.42	75.34	1.04	1199.682	16.561
1312	1582	18	7.14	446	3.03	71.76	0.84	1005.042	11.765
1313	1583	18	5.53	443	3.05	63.09	1.05	1140.868	18.987
1314	1584	18	8.98	445	6.01	82.96	0.72	923.831	8.018
1315	1585	18	8.32	443	5.82	79.4	0.94	954.327	11.298
1316	1586	18	7.36	444	5.38	73.99	0.74	1005.299	10.054
1317	1587	18	4.45	439	4.18	41.2	1.46	925.843	32.809
1318	1588	18	1.98	436	1.59	10.6	1.94	535.354	97.98
1319	1589	18	2.4	432	1.76	13.69	2.22	570.417	92.5
1320	1590	18	7.89	440	5.23	84.28	2.34	1068.188	29.658
1321	1591	18	4.81	434	3.3	40.91	3.1	850.52	64.449
1322	1592	18	5.72	434	3.72	53.81	2.98	940.734	52.098
1323	1593	18	5.64	440	3.63	63.63	3.07	1128.191	54.433
1324	1594	18	6.28	444	3.75	66.44	2.59	1057.962	41.242
1325	1595	18	5.32	443	3.67	57.05	2.34	1072.368	43.985
1326	1596	18	3.57	439	4.66	28.19	2.41	789.636	67.507
1327	1597	18	2.55	440	2.79	15.72	0.61	616.471	23.922
1328	1598	18	3.5	441	3.58	25.61	0.55	731.714	15.714

HC_Shows	HC_Potentia	PI	PC	S2/S3
3.08	23.66	0.13	1.964	16.333
3.43	18.58	0.185	1.542	11.836
3.56	26.9	0.132	2.233	18.823
3.51	48.82	0.072	4.052	39.06
3.54	48.85	0.072	4.055	36.54
2.56	60.88	0.042	5.053	60.75
1.96	66.12	0.03	5.488	73.747
2.67	60.74	0.044	5.041	207.393
1.97	43.03	0.046	3.571	89.261
2.85	60.51	0.047	5.022	91.524
2.31	48.49	0.048	4.025	63.26
2.56	80.88	0.032	6.713	77.545
2.5	26.08	0.096	2.165	29.475
1.95	71.14	0.027	5.905	75.207
2.29	53.13	0.043	4.41	55.868
3.65	63.68	0.057	5.285	64.548
3.94	68.64	0.057	5.697	75.233
3.4	79.32	0.043	6.584	99.895
3.16	83.1	0.038	6.897	97.488
3.15	72.76	0.043	6.039	80.011
2.79	71.12	0.039	5.903	80.388
2.44	55.21	0.044	4.582	69.434
3.88	99.62	0.039	8.268	118.198
3.97	93.53	0.042	7.763	107.904
3.91	42.89	0.091	3.56	50.623
1.8	32.76	0.055	2.719	31.273
2.42	77.76	0.031	6.454	72.442
3.03	74.79	0.041	6.208	85.429
3.05	66.14	0.046	5.49	60.086
6.01	88.97	0.068	7.385	115.222
5.82	85.22	0.068	7.073	84.468
5.38	79.37	0.068	6.588	99.986
4.18	45.38	0.092	3.767	28.219
1.59	12.19	0.13	1.012	5.464
1.76	15.45	0.114	1.282	6.167
5.23	89.51	0.058	7.429	36.017
3.3	44.21	0.075	3.669	13.197
3.72	57.53	0.065	4.775	18.057
3.63	67.26	0.054	5.583	20.726
3.75	70.19	0.053	5.826	25.653
3.67	60.72	0.06	5.04	24.38
4.66	32.85	0.142	2.727	11.697
2.79	18.51	0.151	1.536	25.77
3.58	29.19	0.123	2.423	46.564

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1329	1599	18	3.6	444	4.28	27.64	0.44	767.778	12.222
1330	1600	18	1.33	439	2.58	5.79	0.31	435.338	23.308
1331	1601	18	1.27	437	1.88	6.12	0.31	481.89	24.409
1332	1602	18	5.36	444	4.2	55.41	0.48	1033.769	8.955
1333	1603	18	5.54	442	4.39	56.84	0.52	1025.993	9.386
1334	1604	18	5.52	445	4.39	54.85	0.41	993.659	7.428
1335	1605	18	3.11	442	3.14	25.33	0.41	814.469	13.183
1336	1606	18	2.57	439	2.45	19.13	0.34	744.358	13.23
1337	1607	18	4.63	445	3.17	44.41	0.37	959.179	7.991
1338	1608	18	4.79	446	3.24	47.09	0.4	983.09	8.351
1339	1609	18	1.16	436	2.52	5.67	0.3	488.793	25.862
1340	1610	18	2.6	444	2.6	20.71	0.39	796.538	15
1341	1611	18	2.13	444	2.45	16.63	0.38	780.751	17.84
1342	1612	18	3.8	447	2.86	34.04	0.34	895.789	8.947
1343	1613	18	5.53	446	3.92	49.45	0.41	894.213	7.414
1344	1614	18	3.41	441	3.39	31.56	0.29	925.513	8.504
1345	1615	18	4.98	442	3.47	38.05	0.28	764.056	5.622
1346	1616	18	3.69	443	2.86	26.18	0.29	709.485	7.859
1347	1617	18	2.76	437	3.15	24.06	1.07	871.739	38.768
1348	1618	18	1.98	437	2.83	14.77	1.2	745.96	60.606
1349	1619	18	1.74	435	2.86	12.94	1.33	743.678	76.437
1350	1620	18	3.06	437	3.44	24.7	1.34	807.19	43.791
1351	1621	18	2.72	433	2.9	13.68	1.74	502.941	63.971
1352	1622	18	4.93	435	3.71	26.49	1.8	537.323	36.511
1353	1623	18	4	436	2.45	16.61	1.42	415.25	35.5
1354	1624	18	2.86	438	4.06	30.57	1.12	1068.881	39.161
1355	1625	18	2.3	438	3.08	25.84	1.4	1123.478	60.87
1356	1626	18	3.19	435	1.05	33.29	2.89	1043.574	90.596
1357	1627	18	2.86	437	3.89	30.63	1.71	1070.979	59.79
1358	1628	18	3.11	437	4.2	32.04	1.95	1030.225	62.701
1359	1629	18	2.95	438	3.67	26.75	2.08	906.78	70.508
1360	1630	18	2.4	436	3.63	26.36	1.61	1098.333	67.083
1361	1631	18	10.22	436	3.71	25.99	1.68	254.305	16.438
1362	1632	18	5.11	435	6.08	42.07	1.38	823.288	27.006
1363	1633	18	2.73	431	3.98	17.04	1.12	624.176	41.026
1364	1634	18	3.44	432	2.75	23.33	1.6	678.198	46.512
1365	1635	18	1.88	434	2.17	13.84	1	736.17	53.191
1366	1636	18	1.19	434	1.52	6.5	1.41	546.218	118.487
1367	1637	18	2.02	436	1.9	12.18	1.59	602.97	78.713
1368	1638	18	3.14	435	2.09	22.71	2.1	723.248	66.879
1369	1639	18	5.2	440	3.27	50.08	1.86	963.077	35.769
1370	1640	18	2.52	435	2.29	21.14	1.53	838.889	60.714
1371	1641	18	2.38	438	2.34	23.91	1.35	1004.622	56.723
1372	1642	18	2.05	437	1.7	12.27	1.7	598.537	82.927

HC_Shows	HC_Potentia	PI	PC	S2/S3
4.28	31.92	0.134	2.649	62.818
2.58	8.37	0.308	0.695	18.677
1.88	8	0.235	0.664	19.742
4.2	59.61	0.07	4.948	115.438
4.39	61.23	0.072	5.082	109.308
4.39	59.24	0.074	4.917	133.78
3.14	28.47	0.11	2.363	61.78
2.45	21.58	0.114	1.791	56.265
3.17	47.58	0.067	3.949	120.027
3.24	50.33	0.064	4.177	117.725
2.52	8.19	0.308	0.68	18.9
2.6	23.31	0.112	1.935	53.103
2.45	19.08	0.128	1.584	43.763
2.86	36.9	0.078	3.063	100.118
3.92	53.37	0.073	4.43	120.61
3.39	34.95	0.097	2.901	108.828
3.47	41.52	0.084	3.446	135.893
2.86	29.04	0.098	2.41	90.276
3.15	27.21	0.116	2.258	22.486
2.83	17.6	0.161	1.461	12.308
2.86	15.8	0.181	1.311	9.729
3.44	28.14	0.122	2.336	18.433
2.9	16.58	0.175	1.376	7.862
3.71	30.2	0.123	2.507	14.717
2.45	19.06	0.129	1.582	11.697
4.06	34.63	0.117	2.874	27.295
3.08	28.92	0.107	2.4	18.457
1.05	34.34	0.031	2.85	11.519
3.89	34.52	0.113	2.865	17.912
4.2	36.24	0.116	3.008	16.431
3.67	30.42	0.121	2.525	12.861
3.63	29.99	0.121	2.489	16.373
3.71	29.7	0.125	2.465	15.47
6.08	48.15	0.126	3.996	30.486
3.98	21.02	0.189	1.745	15.214
2.75	26.08	0.105	2.165	14.581
2.17	16.01	0.136	1.329	13.84
1.52	8.02	0.19	0.666	4.61
1.9	14.08	0.135	1.169	7.66
2.09	24.8	0.084	2.058	10.814
3.27	53.35	0.061	4.428	26.925
2.29	23.43	0.098	1.945	13.817
2.34	26.25	0.089	2.179	17.711
1.7	13.97	0.122	1.16	7.218

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1373	1643	18	3.02	437	2.43	18.69	1.71	618.874	56.623
1374	1644	18	5.22	439	4.89	37.06	2.01	709.962	38.506
1375	1645	18	9.21	439	9.26	93.53	1.91	1015.527	20.738
1376	1646	18	7.53	443	7.09	78.01	1.8	1035.989	23.904
1377	1647	18	5.29	440	5.4	45.83	1.42	866.352	26.843
1378	1648	18	3.25	432	3.47	17.5	1.43	538.462	44
1379	1649	18	3.12	434	4.3	17.34	1.59	555.769	50.962
1380	1650	18	1.63	434	1.67	6.99	1.67	428.834	102.454
1381	1651	18	5.21	440	5.21	41.33	1.21	793.282	23.225
1382	1652	18	1.74	441	1.27	5.55	0.51	318.966	29.31
1383	1653	18	2.57	440	2.58	15.31	0.82	595.72	31.907
1384	1654	18	2.12	440	1.22	9.12	0.51	430.189	24.057
1385	1655	18	2.32	437	1.17	8.89	0.5	383.19	21.552
1386	1656	18	1.88	438	1.02	5.38	0.44	286.17	23.404
1387	1657	18	3.19	439	2.65	19.71	0.94	617.868	29.467
1388	1658	18	6.28	441	3.82	56.96	0.82	907.006	13.057
1389	1659	18	1.79	440	2.17	10.29	1.04	574.86	58.101
1390	1660	18	3.93	441	2.74	41.58	1.2	1058.015	30.534
1391	1661	18	9.39	443	5.24	101.56	6.57	1081.576	69.968
1392	1662	18	8.18	441	5.63	94.34	0.87	1153.301	10.636
1393	1663	18	8.98	441	5.56	103.73	0.59	1155.122	6.57
1394	1664	18	7.52	441	6.31	85.78	0.53	1140.691	7.048
1395	1665	18	3.84	442	5	45.09	0.3	1174.219	7.812
1396	1666	18	2.9	442	4.99	33.97	0.4	1171.379	13.793
1397	1667	18	2.85	435	3.75	22.63	0.55	794.035	19.298
1398	1668	18	2.46	434	3.32	22.35	0.47	908.537	19.106
1399	1669	18	4.02	435	4.14	32.71	0.48	813.682	11.94
1400	1670	18	2.67	437	3.1	17.17	0.5	643.071	18.727
1401	1671	18	3.08	437	3.05	20.06	0.49	651.299	15.909
1402	1672	18	2.49	437	3.27	18.83	0.52	756.225	20.884
1403	1673	18	2.02	437	2.38	9.31	0.74	460.891	36.634
1404	1674	18	3.15	440	2.56	27.5	0.63	873.016	20
1405	1675	18	1.87	441	2	13.74	0.55	734.759	29.412
1406	1676	18	2.25	440	1.25	7.36	0.5	327.111	22.222
1407	1677	18	1.88	440	1.43	9.45	1.54	502.66	81.915
1408	1678	18	2.47	441	2.07	16.26	2.13	658.3	86.235
1409	1679	18	2.88	437	2.18	20.25	1.82	703.125	63.194
1410	1680	18	3.55	437	2.65	26.45	1.67	745.07	47.042
1411	1681	18	2.66	437	3.26	27.59	0.48	1037.218	18.045
1412	1682	18	4.06	444	2.58	33.39	0.8	822.414	19.704
1413	1683	18	4.8	441	2.83	44.07	0.85	918.125	17.708
1414	1684	18	6.63	444	3.91	70	0.85	1055.807	12.821
1415	1685	18	3.78	439	2.47	31.26	0.65	826.984	17.196
1416	1686	18	2.73	438	3.15	22.32	0.52	817.582	19.048

HC_Shows	HC_Potentia	PI	PC	S2/S3
2.43	21.12	0.115	1.753	10.93
4.89	41.95	0.117	3.482	18.438
9.26	102.79	0.09	8.532	48.969
7.09	85.1	0.083	7.063	43.339
5.4	51.23	0.105	4.252	32.275
3.47	20.97	0.165	1.741	12.238
4.3	21.64	0.199	1.796	10.906
1.67	8.66	0.193	0.719	4.186
5.21	46.54	0.112	3.863	34.157
1.27	6.82	0.186	0.566	10.882
2.58	17.89	0.144	1.485	18.671
1.22	10.34	0.118	0.858	17.882
1.17	10.06	0.116	0.835	17.78
1.02	6.4	0.159	0.531	12.227
2.65	22.36	0.119	1.856	20.968
3.82	60.78	0.063	5.045	69.463
2.17	12.46	0.174	1.034	9.894
2.74	44.32	0.062	3.679	34.65
5.24	106.8	0.049	8.864	15.458
5.63	99.97	0.056	8.298	108.437
5.56	109.29	0.051	9.071	175.814
6.31	92.09	0.069	7.643	161.849
5	50.09	0.1	4.157	150.3
4.99	38.96	0.128	3.234	84.925
3.75	26.38	0.142	2.19	41.145
3.32	25.67	0.129	2.131	47.553
4.14	36.85	0.112	3.059	68.146
3.1	20.27	0.153	1.682	34.34
3.05	23.11	0.132	1.918	40.939
3.27	22.1	0.148	1.834	36.212
2.38	11.69	0.204	0.97	12.581
2.56	30.06	0.085	2.495	43.651
2	15.74	0.127	1.306	24.982
1.25	8.61	0.145	0.715	14.72
1.43	10.88	0.131	0.903	6.136
2.07	18.33	0.113	1.521	7.634
2.18	22.43	0.097	1.862	11.126
2.65	29.1	0.091	2.415	15.838
3.26	30.85	0.106	2.561	57.479
2.58	35.97	0.072	2.986	41.738
2.83	46.9	0.06	3.893	51.847
3.91	73.91	0.053	6.135	82.353
2.47	33.73	0.073	2.8	48.092
3.15	25.47	0.124	2.114	42.923

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1417	1687	18	2.72	441	2.29	18.92	0.59	695.588	21.691
1418	1688	8	1.86	428	0.83	10.35	0.65	556.452	34.946
1419	1689	8	1.52	429	0.8	7.53	0.95	495.395	62.5
1420	1690	8	0.85	426	0.15	3.1	0.6	364.706	70.588
1421	1691	8	2.12	428	0.39	9.46	0.63	446.226	29.717
1422	1692	8	1.06	427	0.21	3.53	0.63	333.019	59.434
1423	1693	8	1.25	427	0.33	5.97	0.56	477.6	44.8
1424	1694	8	0.38	422	0.07	0.95	0.5	250	131.579
1425	1695	8	0.96	433	0.82	4.04	0.83	420.833	86.458
1426	1696	8	0.57	442	0.04	0.07	0.39	12.281	68.421
1427	1697	8	0.2	440	0.01	0.05	0.2	25	100
1428	1698	8	3.07	442	0.19	2.35	0.41	76.547	13.355
1429	1699	8	0.61	441	0.05	0.2	0.29	32.787	47.541
1430	1755	1			0.09		0.37		
1431	1811	25		448	0.66	1.62	0.27		
1432	605	3	3.95	442	3.61	34.42	0.37	871.392	9.367
1434	1832	28	0		0	0	0.05		
1435	1833	31	1.49	441	0.16	7.93	1.02	532	68
1436	1834	31	1.24	445	0.12	5.92	0.88	477	71
1437	1835	31	0.57	443	0.02	1.78	0.71	312	125
1438	1836	31	0.52	442	0.02	1.73	1.02	333	196
1439	1837	31	0.32	437	0	0.62	0.63	194	197
1440	1838	31	0.61	443	0.01	2.41	0.53	395	87
1441	1839	31	2.88	443	0.44	19.99	0.67	694	23
1442	1840	31	0.6	441	0.01	0.78	0.82	130	137
1443	1841	31	0.87	437	0.03	1.71	0.71	197	82
1444	1842	31	0.47	441	0.02	1.48	0.63	315	134
1445	1843	31	0.91	441	0.13	5.17	0.55	568	60
1446	1844	31	2	447	0.24	12.93	0.64	647	32
1447	1845	31	0.71	440	0.02	1.92	0.81	270	114
1448	1846	31	1.66	445	0.11	10.4	0.72	627	43
1449	1847	31	1.07	441	0.12	3.78	0.88	353	82
1450	1848	31	0.76	444	0.14	3.55	1.12	467	147
1451	1849	31	1.59	443	0.35	8.2	0.82	516	52
1452	1850	31	0.63	439	0.02	1.09	0.82	173	130
1453	1851	31	0.57	440	0.02	1.26	0.71	221	125
1454	1852	31	0.65	437	0.04	1.47	0.59	226	91
1455	1853	31	0.49	433	0.03	1.28	0.63	261	129
1456	1854	31	0.94	435	0.09	3.05	0.54	324	57
1457	1855	31	0.76	439	0.04	1.43	0.64	188	84
1458	1856	31	1.29	442	0.25	7.02	0.64	544	50
1459	1857	31	1.05	443	0.16	5.51	0.81	525	77
1460	1858	31	2.96	445	0.68	21.77	0.9	735	30
1461	1859	31	2.03	444	0.4	10.72	1.02	528	50

HC_Shows	HC_Potentia	PI	PC	S2/S3
2.29	21.21	0.108	1.76	32.068
0.83	11.18	0.074	0.928	15.923
0.8	8.33	0.096	0.691	7.926
0.15	3.25	0.046	0.27	5.167
0.39	9.85	0.04	0.818	15.016
0.21	3.74	0.056	0.31	5.603
0.33	6.3	0.052	0.523	10.661
0.07	1.02	0.069	0.085	1.9
0.82	4.86	0.169	0.403	4.867
0.04	0.11	0.364	0.009	0.179
0.01	0.06	0.167	0.005	0.25
0.19	2.54	0.075	0.211	5.732
0.05	0.25	0.2	0.021	0.69
0.09				
0.66	2.28	0.289	0.189	6
3.61	38.03	0.095	3.156	93.027
			0	
0.16	8.09	0.02	0.671	7.775
0.12	6.04	0.02	0.501	6.727
0.02	1.8	0.011	0.149	2.507
0.02	1.75	0.011	0.145	1.696
0	0.62	0	0.051	0.984
0.01	2.42	0.004	0.201	4.547
0.44	20.43	0.022	1.696	29.836
0.01	0.79	0.013	0.066	0.951
0.03	1.74	0.017	0.144	2.408
0.02	1.5	0.013	0.124	2.349
0.13	5.3	0.025	0.44	9.4
0.24	13.17	0.018	1.093	20.203
0.02	1.94	0.01	0.161	2.37
0.11	10.51	0.01	0.872	14.444
0.12	3.9	0.031	0.324	4.295
0.14	3.69	0.038	0.306	3.17
0.35	8.55	0.041	0.71	10
0.02	1.11	0.018	0.092	1.329
0.02	1.28	0.016	0.106	1.775
0.04	1.51	0.026	0.125	2.492
0.03	1.31	0.023	0.109	2.032
0.09	3.14	0.029	0.261	5.648
0.04	1.47	0.027	0.122	2.234
0.25	7.27	0.034	0.603	10.969
0.16	5.67	0.028	0.471	6.802
0.68	22.45	0.03	1.863	24.189
0.4	11.12	0.036	0.923	10.51

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1462	1860	31	0.93	440	0.07	1.94	0.77	209	83
1463	1861	31	2	445	0.56	12.67	0.72	634	36
1464	1862	31	1.69	442	0.43	9.84	0.77	582	46
1465	1863	31	0.04	436	0.02	0.44	0.56	1100	1400
1466	1864	31	0.37	433	0.02	0.41	0.81	111	219
1467	1865	31	0.49	437	0.01	0.62	0.41	127	84
1468	1866	31	0.12	435	0.04	1.35	0.4	1125	333
1469	1867	31	0.57	437	0.04	1.26	0.9	221	158
1470	1868	31	1.71	442	0.44	8.56	0.49	501	29
1471	1869	31	1.62	441	1.42	18.15	0.5	1120	31
1472	1870	31	2.69	444	1.41	18.08	0.56	672	21
1473	1871	31	0.6	437	0.09	1.44	0.44	240	73
1474	1872	31	0.36	437	0.04	0.91	0.3	253	83
1475	1873	31	0.46	437	0.07	1.42	0.28	309	61
1476	1874	31	0.39	438	0.05	1.07	0.29	274	74
1477	1875	31	0.13	440	0.06	1.42	0.33	1092	254
1478	1876	31	0.44	442	0.07	1.28	0.95	291	216
1479	1877	31	0.63	443	0.08	2.63	0.29	417	46
1480	1878	31	2.21	443	0.53	14.2	0.52	643	24
1481	1879	31	5.05	447	2.13	40.19	1.09	796	22
1482	1880	31	3.86	443	1.56	29.34	0.65	760	17
1483	1881	31	1.09	442	0.62	5.66	0.6	519	55
1484	1882	31	0.49	443	0.2	1.94	0.69	396	141
1485	1883	31	0.96	442	0.26	4.84	0.6	504	63
1486	1884	31	2.69	447	0.86	18.9	0.54	703	20
1487	1885	31	3.47	446	1.36	25.24	0.7	727	20
1488	1886	31	1.77	447	0.96	11.55	0.81	653	46
1489	1887	31	0.41	440	0.36	4.46	0.68	1088	166
1490	1888	31	1.01	441	0.41	4.97	0.53	492	52
1491	1889	31	4.79	447	1.06	39.62	1.01	827	21
1492	1890	31	3.18	445	1.37	23.01	0.68	724	21
1493	1891	31	1.93	445	0.88	14.79	0.65	766	34
1494	1892	31	5.25	446	1.94	44.83	0.61	854	12
1495	1893	31	5.41	448	2.28	44.4	0.78	821	14
1496	1894	31	5.78	449	2.25	43.79	1.35	758	23
1497	1895	31	3.07	441	2.27	17.46	0.86	569	28
1498	1896	31	3.04	444	2.02	17.95	0.66	590	22
1499	1897	31	2.27	443	1.88	11.41	0.65	503	29
1500	1898	31	2.05	444	1.87	10.18	0.59	497	29
1501	1899	31	0.92	443	0.2	2.44	0.49	265	53
1502	1900	31	0.48	441	0.41	5.24	0.51	1092	106
1503	1901	31	1.39	445	0.44	4.71	0.38	339	27
1504	1902	31	1.07	447	1.17	11.52	0.76	1077	71
1505	1903	31	2.37	447	1.57	13.36	0.41	564	17

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.07	2.01	0.035	0.167	2.519
0.56	13.23	0.042	1.098	17.597
0.43	10.27	0.042	0.852	12.779
0.02	0.46	0.043	0.038	0.786
0.02	0.43	0.047	0.036	0.506
0.01	0.63	0.016	0.052	1.512
0.04	1.39	0.029	0.115	3.375
0.04	1.3	0.031	0.108	1.4
0.44	9	0.049	0.747	17.469
1.42	19.57	0.073	1.624	36.3
1.41	19.49	0.072	1.618	32.286
0.09	1.53	0.059	0.127	3.273
0.04	0.95	0.042	0.079	3.033
0.07	1.49	0.047	0.124	5.071
0.05	1.12	0.045	0.093	3.69
0.06	1.48	0.041	0.123	4.303
0.07	1.35	0.052	0.112	1.347
0.08	2.71	0.03	0.225	9.069
0.53	14.73	0.036	1.223	27.308
2.13	42.32	0.05	3.513	36.872
1.56	30.9	0.05	2.565	45.138
0.62	6.28	0.099	0.521	9.433
0.2	2.14	0.093	0.178	2.812
0.26	5.1	0.051	0.423	8.067
0.86	19.76	0.044	1.64	35
1.36	26.6	0.051	2.208	36.057
0.96	12.51	0.077	1.038	14.259
0.36	4.82	0.075	0.4	6.559
0.41	5.38	0.076	0.447	9.377
1.06	40.68	0.026	3.376	39.228
1.37	24.38	0.056	2.024	33.838
0.88	15.67	0.056	1.301	22.754
1.94	46.77	0.041	3.882	73.492
2.28	46.68	0.049	3.874	56.923
2.25	46.04	0.049	3.821	32.437
2.27	19.73	0.115	1.638	20.302
2.02	19.97	0.101	1.658	27.197
1.88	13.29	0.141	1.103	17.554
1.87	12.05	0.155	1	17.254
0.2	2.64	0.076	0.219	4.98
0.41	5.65	0.073	0.469	10.275
0.44	5.15	0.085	0.427	12.395
1.17	12.69	0.092	1.053	15.158
1.57	14.93	0.105	1.239	32.585

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1506	1904	31	1.99	446	1.12	10.89	0.86	547	43
1507	1905	31	2.03	445	1.27	10.18	0.82	501	40
1508	1906	31	2.16	444	1.18	12.22	0.75	566	35
1509	1907	31	2.24	447	1.25	10.39	0.85	464	38
1510	1908	31	1.99	445	0.62	10.07	0.81	506	41
1511	1909	31	7.29	451	2.18	64.47	0.89	884	12
1512	1910	31	6.82	446	2.3	56.73	1.02	832	15
1513	1911	31	4.46	445	1.86	35.44	0.93	795	21
1514	1912	31	3.7	445	2.44	26.59	0.91	719	25
1515	1913	31	5.83	447	2.48	48.14	0.81	826	14
1516	1914	31	1.34	443	1.14	8.51	0.72	635	54
1517	1915	31	0.69	442	0.46	3.36	0.69	487	100
1518	1916	31	0.69	440	0.41	3.42	0.6	496	87
1519	1917	31	0.69	440	0.81	3.73	0.74	541	107
1520	1918	31	0.82	442	0.51	3.84	0.71	468	87
1521	1919	31	4.37	444	2.71	33.51	0.69	767	16
1522	1920	31	3.88	439	2.89	26.92	0.77	694	20
1523	1921	31	1.91	441	1.16	10.66	0.76	558	40
1524	1922	31	3.95	443	2.59	29.23	0.69	740	17
1525	1923	31	2.09	441	1.32	13.12	0.64	628	31
1526	1924	31	1.25	435	2.38	7.72	0.57	618	46
1527	1925	31	0.77	436	1.16	4.53	0.56	588	73
1528	1926	31	0.73	441	1.02	3.66	0.59	501	81
1529	1927	31	2.43	448	1.88	16.84	0.52	693	21
1530	1928	31	3.13	442	2.39	18.19	0.6	581	19
1531	1929	31	2.78	442	2.5	17.68	0.67	636	24
1532	1930	31	2.9	438	3.31	15.95	0.62	550	21
1533	1931	31	3.45	446	2.59	24.56	0.62	712	18
1534	1932	31	2.91	444	1.81	20.39	0.72	701	25
1535	1933	31	3.38	443	1.73	21.37	0.72	633	21
1536	1934	31	8.34	450	2.18	71.37	0.61	856	7
1537	1935	31	4.43	444	1.37	31.82	0.64	719	14
1538	1936	31	5.36	440	2.75	34.54	0.55	645	10
1539	1937	31	6.89	444	3.27	45.74	0.5	664	7
1540	1938	31	6.9	446	3.19	51.65	0.45	749	7
1541	1939	31	6.63	445	1.99	48.34	0.49	730	7
1542	1940	31	5.08	447	2.1	36.76	0.47	724	9
1543	1941	31	4.16	446	2.48	29.5	0.39	709	9
1544	1942	31	3.26	443	1.67	20.06	0.47	615	14
1545	1943	31	2.34	445	0.93	10.81	0.53	462	23
1546	1944	31	3.2	445	1.36	13.95	0.49	436	15
1547	1945	31	4.04	446	1.73	24.68	0.48	611	12
1548	1946	31	3.23	443	2.53	18.24	0.52	565	16
1549	1947	31	3.84	443	2.45	23.72	0.56	618	15

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.12	12.01	0.093	0.997	12.663
1.27	11.45	0.111	0.95	12.415
1.18	13.4	0.088	1.112	16.293
1.25	11.64	0.107	0.966	12.224
0.62	10.69	0.058	0.887	12.432
2.18	66.65	0.033	5.532	72.438
2.3	59.03	0.039	4.899	55.618
1.86	37.3	0.05	3.096	38.108
2.44	29.03	0.084	2.409	29.22
2.48	50.62	0.049	4.201	59.432
1.14	9.65	0.118	0.801	11.819
0.46	3.82	0.12	0.317	4.87
0.41	3.83	0.107	0.318	5.7
0.81	4.54	0.178	0.377	5.041
0.51	4.35	0.117	0.361	5.408
2.71	36.22	0.075	3.006	48.565
2.89	29.81	0.097	2.474	34.961
1.16	11.82	0.098	0.981	14.026
2.59	31.82	0.081	2.641	42.362
1.32	14.44	0.091	1.199	20.5
2.38	10.1	0.236	0.838	13.544
1.16	5.69	0.204	0.472	8.089
1.02	4.68	0.218	0.388	6.203
1.88	18.72	0.1	1.554	32.385
2.39	20.58	0.116	1.708	30.317
2.5	20.18	0.124	1.675	26.388
3.31	19.26	0.172	1.599	25.726
2.59	27.15	0.095	2.253	39.613
1.81	22.2	0.082	1.843	28.319
1.73	23.1	0.075	1.917	29.681
2.18	73.55	0.03	6.105	117
1.37	33.19	0.041	2.755	49.719
2.75	37.29	0.074	3.095	62.8
3.27	49.01	0.067	4.068	91.48
3.19	54.84	0.058	4.552	114.778
1.99	50.33	0.04	4.177	98.653
2.1	38.86	0.054	3.225	78.213
2.48	31.98	0.078	2.654	75.641
1.67	21.73	0.077	1.804	42.681
0.93	11.74	0.079	0.974	20.396
1.36	15.31	0.089	1.271	28.469
1.73	26.41	0.066	2.192	51.417
2.53	20.77	0.122	1.724	35.077
2.45	26.17	0.094	2.172	42.357

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1550	1948	31	4.08	447	2.74	27.18	0.53	666	13
1551	1949	31	3.39	444	3.72	23.45	0.48	692	14
1552	1950	31	3.25	443	3.28	19.7	0.43	606	13
1553	1951	31	2.93	443	2.66	17.2	0.49	587	17
1554	1952	31	3.94	449	1.46	24.63	0.43	625	11
1555	1953	31	1.89	445	0.65	7.36	0.46	389	24
1556	1954	31	2.41	444	0.92	9.59	0.44	398	18
1557	1955	31	2.48	444	0.71	10.28	0.51	415	21
1558	1956	31	2.22	446	0.68	8.34	0.51	376	23
1559	1957	31	2.48	445	0.72	10.23	0.51	413	21
1560	1958	31	4.55	449	1.24	30.06	0.5	661	11
1561	1959	31	3.23	446	1.19	14.59	0.64	452	20
1562	1960	31	3.08	444	1.42	14.98	0.54	487	18
1563	1961	31	3.21	446	1.11	16.87	0.53	526	17
1564	1962	31	4.2	450	1.15	26.9	0.59	641	14
1565	1963	31	6.75	451	1.43	51.33	0.65	761	10
1566	1964	31	6.69	451	1.04	50.63	0.59	757	9
1567	1965	31	3.11	447	0.71	19.12	0.63	615	20
1568	1966	31	0.83	448	0.06	0.86	0.52	104	63
1569	1967	31	0.71	445	0.07	0.33	0.55	46	77
1570	1968	31	0.74	444	0.06	0.3	0.56	41	76
1571	1969	31	0.66	444	0.03	0.25	0.63	38	95
1572	1970	31	0.48	446	0.01	0.05	0.59	10	123
1573	1971	31	0.27	433	0.03	0.25	0.6	93	222
1574	1972	31	0.34	442	0	0.12	0.87	35	256
1575	1973	31	0.28	434	0	0.01	0.75	4	268
1576	1974	31	0.62	435	0.27	0.75	0.49	121	79
1577	1975	31	0.59	445	0.02	0.18	0.61	31	103
1578	1976	31	0.55	444	0.05	0.29	0.75	53	136
1579	1977	31	0.56	443	0.3	0.55	0.52	98	93
1580	1978	31	0.87	444	0.04	0.81	0.48	93	55
1581	1979	31	1.03	447	0.06	1.22	0.43	118	42
1582	1980	31	0.54	449	0.02	0.09	0.38	17	70
1583	1981	31	0.19	436	0.06	0.11	0.33	58	174
1584	1982	31	0.9	444	0.14	0.84	0.27	93	30
1585	1983	31	0.76	442	0.02	0.34	0.38	45	50
1586	1984	31	0.25	446	0	0.01	0.49	4	196
1587	1985	31	0.27	445	0	0.09	0.63	33	233
1588	1986	31	0.14	-44	0	0	0.6	0	429
1589	1987	31	0.11	-44	0	0	0.34	0	309
1590	1988	31	0.45	442	0.01	0.06	0.38	13	84
1591	1989	31	1	446	0.04	0.89	0.38	89	38
1592	1990	31	0.62	446	0.02	0.65	0.93	105	150
1593	1991	31	0.16	-44	0	0	0.64	0	400

HC_Shows	HC_Potentia	PI	PC	S2/S3
2.74	29.92	0.092	2.483	51.283
3.72	27.17	0.137	2.255	48.854
3.28	22.98	0.143	1.907	45.814
2.66	19.86	0.134	1.648	35.102
1.46	26.09	0.056	2.165	57.279
0.65	8.01	0.081	0.665	16
0.92	10.51	0.088	0.872	21.795
0.71	10.99	0.065	0.912	20.157
0.68	9.02	0.075	0.749	16.353
0.72	10.95	0.066	0.909	20.059
1.24	31.3	0.04	2.598	60.12
1.19	15.78	0.075	1.31	22.797
1.42	16.4	0.087	1.361	27.741
1.11	17.98	0.062	1.492	31.83
1.15	28.05	0.041	2.328	45.593
1.43	52.76	0.027	4.379	78.969
1.04	51.67	0.02	4.289	85.814
0.71	19.83	0.036	1.646	30.349
0.06	0.92	0.065	0.076	1.654
0.07	0.4	0.175	0.033	0.6
0.06	0.36	0.167	0.03	0.536
0.03	0.28	0.107	0.023	0.397
0.01	0.06	0.167	0.005	0.085
0.03	0.28	0.107	0.023	0.417
0	0.12	0	0.01	0.138
0	0.01	0	0.001	0.013
0.27	1.02	0.265	0.085	1.531
0.02	0.2	0.1	0.017	0.295
0.05	0.34	0.147	0.028	0.387
0.3	0.85	0.353	0.071	1.058
0.04	0.85	0.047	0.071	1.688
0.06	1.28	0.047	0.106	2.837
0.02	0.11	0.182	0.009	0.237
0.06	0.17	0.353	0.014	0.333
0.14	0.98	0.143	0.081	3.111
0.02	0.36	0.056	0.03	0.895
0	0.01	0	0.001	0.02
0	0.09	0	0.007	0.143
0	0	0	0	
0	0	0	0	
0.01	0.07	0.143	0.006	0.158
0.04	0.93	0.043	0.077	2.342
0.02	0.67	0.03	0.056	0.699
0	0	0	0	

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1594	1992	31	0.12	433	0	0.02	0.43	17	358
1595	1993	31	0.26	433	0.3	0.26	0.26	100	100
1596	1994	31	0.18	396	0	0.07	0.23	39	128
1597	1995	31	0.71	423	2.59	1.82	0.36	256	51
1598	1996	31	0.41	440	0.17	0.3	0.33	73	80
1599	1997	31	0.22	402	0	0.04	0.41	18	186
1600	1998	31	0.97	440	0.02	0.8	0.42	82	43
1601	1999	31	0.39	443	0	0.05	0.36	13	92
1602	2000	31	2.06	441	0.53	9.9	0.33	480	16
1603	2001	31	4.16	444	1.26	33.21	0.39	798	9
1604	2002	31	5.04	444	1.83	42.22	0.54	837	10
1605	2003	31	7.38	447	2.38	66.76	0.89	904	12
1606	2004	31	5.45	445	1.37	42.3	0.83	776	15
1607	2005	31	5.83	448	1.15	50.25	0.8	861	13
1608	2006	31	2.81	446	0.83	19.46	0.68	692	24
1609	2007	31	2.53	447	0.69	14.35	0.64	567	25
1610	2008	31	2.02	446	0.86	11.54	0.43	571	21
1611	2009	31	2.52	447	0.93	16.22	0.24	643	9
1612	2010	31	2.13	448	0.63	12.2	0.19	572	8
1613	2011	31	1.15	447	0.19	4.36	0.19	379	16
1614	2012	31	1.18	441	0.19	3.56	0.39	301	33
1615	2013	31	1.35	441	0.34	4.7	0.49	348	36
1616	2014	31	1.08	441	0.44	4.65	0.69	430	63
1617	2015	31	0.83	441	0.25	3.2	1.1	385	132
1618	2016	31	1.27	446	0.24	5.53	0.67	435	52
1619	2017	31	1.19	442	0.33	4.39	0.53	368	44
1620	2018	31	1.34	440	0.76	5.42	0.9	404	67
1621	2019	31	4.25	446	2.73	33.41	1.46	786	34
1622	2020	31	8.7	447	2.94	80.09	1.54	920	17
1623	2021	31	10.5	447	2.89	94.73	1.44	902	13
1624	2022	31	10.22	449	3.02	96.04	0.97	939	9
1625	2023	31	12.19	448	3.89	115.96	1.57	951	12
1626	2024	31	7.72	446	3.14	71.49	1.93	926	25
1627	2025	31	11.01	449	4.16	104.8	2.1	951	19
1628	2026	31	9.19	447	3.71	79.42	1.93	864	21
1629	2027	31	9.09	448	4.23	80	2.01	880	22
1630	2028	31	15.23	447	5.52	143.89	2.01	944	13
1631	2029	31	11.96	448	4.6	106.91	1.71	893	14
1632	2030	31	4.36	451	2.04	35.31	0.78	809	17
1633	2031	31	1.47	446	0.98	8.72	0.58	593	39
1634	2032	31	1	444	0.38	4.23	0.67	423	67
1635	2033	31	1.6	446	0.78	8.53	0.82	533	51
1636	2034	31	1.51	445	0.87	8.09	0.73	535	48
1637	2035	31	2.9	450	1.68	18.51	0.94	638	32

HC_Shows	HC_Potentia	PI	PC	S2/S3
0	0.02	0	0.002	0.047
0.3	0.56	0.536	0.046	1
0	0.07	0.05	0.006	0.304
2.59	4.41	0.587	0.366	5.056
0.17	0.47	0.362	0.039	0.909
0	0.04	0	0.003	0.098
0.02	0.82	0.024	0.068	1.905
0	0.05	0.02	0.004	0.139
0.53	10.43	0.051	0.866	30
1.26	34.47	0.037	2.861	85.154
1.83	44.05	0.042	3.656	78.185
2.38	69.14	0.034	5.739	75.011
1.37	43.67	0.031	3.625	50.964
1.15	51.4	0.022	4.266	62.812
0.83	20.29	0.041	1.684	28.618
0.69	15.04	0.046	1.248	22.422
0.86	12.4	0.069	1.029	26.837
0.93	17.15	0.054	1.423	67.583
0.63	12.83	0.049	1.065	64.211
0.19	4.55	0.042	0.378	22.947
0.19	3.75	0.051	0.311	9.128
0.34	5.04	0.067	0.418	9.592
0.44	5.09	0.086	0.422	6.739
0.25	3.45	0.072	0.286	2.909
0.24	5.77	0.042	0.479	8.254
0.33	4.72	0.07	0.392	8.283
0.76	6.18	0.123	0.513	6.022
2.73	36.14	0.076	3	22.884
2.94	83.03	0.035	6.891	52.006
2.89	97.62	0.03	8.102	65.785
3.02	99.06	0.03	8.222	99.01
3.89	119.85	0.032	9.948	73.86
3.14	74.63	0.042	6.194	37.041
4.16	108.96	0.038	9.044	49.905
3.71	83.13	0.045	6.9	41.15
4.23	84.23	0.05	6.991	39.801
5.52	149.41	0.037	12.401	71.587
4.6	111.51	0.041	9.255	62.52
2.04	37.35	0.055	3.1	45.269
0.98	9.7	0.101	0.805	15.034
0.38	4.61	0.082	0.383	6.313
0.78	9.31	0.084	0.773	10.402
0.87	8.96	0.097	0.744	11.082
1.68	20.19	0.083	1.676	19.691

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1638	2036	31	2.16	450	1.1	14.56	0.91	674	42
1639	2037	31	2.88	449	1.98	19.51	1.4	677	48
1640	2038	31	7.77	447	3.68	64.07	1.11	824	14
1641	2039	31	7.04	450	4.3	56.98	0.34	809	4
1642	2040	31	11.18	445	6.86	94.5	1.22	845	10
1643	2041	31	6.68	447	5.81	51.82	0	775	0
1644	2042	31	4.05	447	4.27	26.11	0.19	644	4
1645	2043	31	5.92	449	5.16	39.32	0.53	664	8
1646	2044	31	4.7	448	4.49	31.43	0.38	668	8
1647	2045	31	1.99	445	3.31	8.89	0.28	446	14
1648	2046	31	1.48	445	4.05	7.97	0.09	538	6
1649	2047	31	2.04	447	3.26	11.33	0.49	555	24
1650	2048	31	7.94	449	5.34	63.52	0.44	800	5
1651	2049	31	6.44	450	4.12	49.5	0.59	768	9
1652	2050	31	7.97	449	4.6	67.02	0.34	840	4
1653	2051	31	2.64	448	2.86	18.2	0	689	0
1654	2052	31	4.19	448	3.22	28.12	0.38	671	9
1655	2053	31	1.92	445	3.42	9.85	0.48	513	25
1656	2054	31	1.4	443	2.56	5.89	0.57	420	40
1657	2055	31	2.17	449	1.67	8.42	0.24	388	11
1658	2056	31	1.31	446	1.81	5.78	0.52	441	39
1659	2057	31	1.77	449	3.28	7.72	0.72	436	40
1660	2058	31	3.61	450	4.44	22.1	0.81	612	22
1661	2059	31	5.96	448	4.95	37.5	0.55	629	9
1662	2060	31	5.01	448	4.01	33.23	0.68	663	13
1663	2061	31	2.96	446	3.57	16.61	0.63	561	21
1664	2062	31	6.49	448	5.52	48.2	0.14	742	2
1665	2063	31	5.08	449	4.92	36.82	0.48	724	9
1666	2064	31	3.77	448	4.67	24.82	0.49	658	12
1667	2065	31	5.94	450	5.02	43.9	0.14	739	2
1668	2066	31	10.04	449	5.72	77.13	0.97	768	9
1669	2067	31	3.99	446	3.12	19.47	0.48	487	12
1670	2068	31	2.13	446	2.66	9.7	0.29	455	13
1671	2069	31	2.29	447	3.08	11.66	0.44	509	19
1672	2070	31	2.14	446	2.76	9.8	0.33	457	15
1673	2071	31	3.31	448	3.91	19.75	0.64	596	19
1674	2072	31	5.28	447	4.9	31.76	0.39	601	7
1675	2073	31	6.6	447	5.79	43.09	0.86	652	13
1676	2074	31	3.76	446	4.92	21.15	1.06	562	28
1677	2075	31	6.89	448	5.6	44.87	0.72	651	10
1678	2076	31	5.23	447	4.14	29.07	0.73	555	13
1679	2077	31	2.26	446	2.08	7.52	0.53	332	23
1680	2078	31	4.93	448	4.67	32.75	0.98	664	19
1681	2079	31	5.42	447	5.05	34.25	0.95	631	17

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.1	15.66	0.07	1.3	16
1.98	21.49	0.092	1.784	13.936
3.68	67.75	0.054	5.623	57.721
4.3	61.28	0.07	5.086	167.588
6.86	101.36	0.068	8.413	77.459
5.81	57.63	0.101	4.783	
4.27	30.38	0.141	2.522	137.421
5.16	44.48	0.116	3.692	74.189
4.49	35.92	0.125	2.981	82.711
3.31	12.2	0.271	1.013	31.75
4.05	12.02	0.337	0.998	88.556
3.26	14.59	0.223	1.211	23.122
5.34	68.86	0.078	5.715	144.364
4.12	53.62	0.077	4.45	83.898
4.6	71.62	0.064	5.944	197.118
2.86	21.06	0.136	1.748	
3.22	31.34	0.103	2.601	74
3.42	13.27	0.258	1.101	20.521
2.56	8.45	0.303	0.701	10.333
1.67	10.09	0.166	0.837	35.083
1.81	7.59	0.238	0.63	11.115
3.28	11	0.298	0.913	10.722
4.44	26.54	0.167	2.203	27.284
4.95	42.45	0.117	3.523	68.182
4.01	37.24	0.108	3.091	48.868
3.57	20.18	0.177	1.675	26.365
5.52	53.72	0.103	4.459	344.286
4.92	41.74	0.118	3.464	76.708
4.67	29.49	0.158	2.448	50.653
5.02	48.92	0.103	4.06	313.571
5.72	82.85	0.069	6.877	79.515
3.12	22.59	0.138	1.875	40.562
2.66	12.36	0.215	1.026	33.448
3.08	14.74	0.209	1.223	26.5
2.76	12.56	0.22	1.042	29.697
3.91	23.66	0.165	1.964	30.859
4.9	36.66	0.134	3.043	81.436
5.79	48.88	0.118	4.057	50.105
4.92	26.07	0.189	2.164	19.953
5.6	50.47	0.111	4.189	62.319
4.14	33.21	0.125	2.756	39.822
2.08	9.6	0.217	0.797	14.189
4.67	37.42	0.125	3.106	33.418
5.05	39.3	0.128	3.262	36.053

Dh_Rock	Dh_Sample_Id	Refe	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1682	2080	31	3.09	448	3.64	12.26	1.03	396	33
1683	2081	31	2.21	444	4.62	10.24	0.94	463	42
1684	2082	31	2.58	449	3.17	14.24	0.53	551	20
1685	2083	31	3.31	448	4.41	21.42	0.83	647	25
1686	2084	31	2.2	448	3	11.31	0.67	514	30
1687	2085	31	3.44	450	3.14	21.73	0.82	631	23
1688	2086	31	3.14	450	3.31	19.75	0.63	628	20
1689	2087	31	3.7	450	3.23	19.71	0.91	532	24
1690	2088	31	3	447	4.72	15.51	1.13	517	37
1691	2089	31	4.55	448	6.09	30.68	1.07	674	23
1692	2090	31	6.64	449	7.1	47.6	1.05	716	15
1693	2091	31	2.65	448	3.43	15.29	0.93	576	35
1694	2092	31	2.08	448	3.34	9.23	0.9	443	43
1695	2093	31	2.59	451	4.48	16.78	0.97	647	37
1696	2094	31	2.48	449	3.82	11.47	0.29	462	11
1697	2095	31	4.66	450	6.12	33.72	0.93	723	19
1698	2096	31	7.84	451	7.26	55.47	0.99	707	12
1699	2097	31	4.28	450	4.66	30.87	0.77	721	17
1700	2098	31	1.41	448	1.98	5.41	0.62	383	43
1701	2099	31	1.22	448	1.6	4.43	0.63	363	51
1702	2100	31	0.98	447	1.18	3.3	0.98	336	100
1703	2101	31	1.79	449	2.14	7.7	1.07	430	59
1704	2102	31	3.2	451	2.95	15.61	0.88	487	27
1705	2103	31	2.78	451	2.02	15.94	0.74	573	26
1706	2104	31	1.64	449	1.38	6.73	0.29	410	17
1707	2105	31	1.38	446	0.74	4.17	0.59	302	42
1708	2106	31	2.9	453	1.6	13.65	0.65	470	22
1709	2107	31	2.33	452	1.31	9.51	0.43	408	18
1710	2108	31	2.37	451	1.31	9.12	0.63	384	26
1711	2109	31	2.25	453	1.21	8.25	0.43	366	19
1712	2110	31	2.02	450	1.07	6.12	0.58	302	28
1713	2111	31	1.36	450	1.01	5.12	0.43	376	31
1714	2112	31	1.89	449	1.88	6.23	0.59	329	31
1715	2113	31	2.75	450	2.94	10.19	0.44	370	16
1716	2114	31	3	448	3.69	11.03	0.39	367	13
1717	2115	31	1.46	448	0.98	4.8	0.93	328	63
1718	2116	31	1.84	449	1.45	5.87	0.29	319	15
1719	2117	31	2.64	447	1.72	7.43	0.49	281	18
1720	2118	31	1.79	449	0.91	4.87	0.14	272	7
1721	2119	31	2.06	451	1.28	6.43	0.19	312	9
1722	2120	31	1.71	450	0.86	4.71	0.33	275	19
1723	2121	31	1.52	450	0.74	4.35	0.54	286	35
1724	2122	31	1.64	451	0.77	4.73	0.62	288	37
1725	2123	31	2.63	452	1.67	9.6	0.29	365	11

HC_Shows	HC_Potentia	PI	PC	S2/S3
3.64	15.9	0.229	1.32	11.903
4.62	14.86	0.311	1.233	10.894
3.17	17.41	0.182	1.445	26.868
4.41	25.83	0.171	2.144	25.807
3	14.31	0.21	1.188	16.881
3.14	24.87	0.126	2.064	26.5
3.31	23.06	0.144	1.914	31.349
3.23	22.94	0.141	1.904	21.659
4.72	20.23	0.233	1.679	13.726
6.09	36.77	0.166	3.052	28.673
7.1	54.7	0.13	4.54	45.333
3.43	18.72	0.183	1.554	16.441
3.34	12.57	0.266	1.043	10.256
4.48	21.26	0.211	1.765	17.299
3.82	15.29	0.25	1.269	39.552
6.12	39.84	0.154	3.307	36.258
7.26	62.73	0.116	5.207	56.03
4.66	35.53	0.131	2.949	40.091
1.98	7.39	0.268	0.613	8.726
1.6	6.03	0.265	0.5	7.032
1.18	4.48	0.263	0.372	3.367
2.14	9.84	0.217	0.817	7.196
2.95	18.56	0.159	1.54	17.739
2.02	17.96	0.112	1.491	21.541
1.38	8.11	0.17	0.673	23.207
0.74	4.91	0.151	0.408	7.068
1.6	15.25	0.105	1.266	21
1.31	10.82	0.121	0.898	22.116
1.31	10.43	0.126	0.866	14.476
1.21	9.46	0.128	0.785	19.186
1.07	7.19	0.149	0.597	10.552
1.01	6.13	0.165	0.509	11.907
1.88	8.11	0.232	0.673	10.559
2.94	13.13	0.224	1.09	23.159
3.69	14.72	0.251	1.222	28.282
0.98	5.78	0.17	0.48	5.161
1.45	7.32	0.198	0.608	20.241
1.72	9.15	0.188	0.759	15.163
0.91	5.78	0.157	0.48	34.786
1.28	7.71	0.166	0.64	33.842
0.86	5.57	0.154	0.462	14.273
0.74	5.09	0.145	0.422	8.056
0.77	5.5	0.14	0.456	7.629
1.67	11.27	0.148	0.935	33.103

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1726	2124	31	2.09	453	1.77	9.23	0.33	441	15
1727	2125	31	2.56	451	1.48	8.21	0.44	320	17
1728	2126	31	2.79	452	1.79	10.14	0.69	363	24
1729	2127	31	3.42	453	2.23	13.08	0.59	382	17
1730	2128	31	3.92	453	2.82	16.04	0.43	409	10
1731	2129	31	2.62	453	1.47	7.98	1.18	304	45
1732	2130	31	2.89	453	2.17	10.79	0.59	373	20
1733	2131	31	2.55	452	1.62	8.96	0.49	351	19
1734	2132	31	2	451	1.18	7.63	0.68	381	34
1735	2133	31	2.83	452	1.65	8.98	0.87	317	30
1736	2134	31	2.29	450	1.3	6	1.1	262	48
1737	2135	31	3.12	453	2.5	14.36	1.22	460	39
1738	2136	31	5.79	453	4.7	39.01	1.02	673	17
1739	2137	31	9.17	454	4.85	78.23	0.73	853	7
1740	2138	31	4.5	453	4.08	28.37	1.03	630	22
1741	2139	31	3.83	453	4.06	20.83	1.02	543	26
1742	2140	31	3.85	452	3.62	19.03	1.11	494	28
1743	2141	31	6.26	453	4.95	43.31	0.94	691	15
1744	2142	31	7.18	453	4.34	58.82	0.68	819	9
1745	2143	31	2.66	452	1.84	14.22	0.92	534	34
1746	2144	31	2.19	450	2.51	11.77	1.18	537	53
1747	2145	31	3.46	452	2.76	15.97	1.16	461	33
1748	2146	31	4.64	451	2.66	34.41	1.21	741	26
1749	2147	31	3.7	452	2.98	21.94	1.04	592	28
1750	2148	31	3.53	452	3.28	19.37	1.15	548	32
1751	2149	31	3.99	451	3.26	25.46	0.82	638	20
1752	2150	31	6.95	455	3.54	45.67	0.92	657	13
1753	2151	31	7.46	455	3.36	64.09	0.87	859	11
1754	2152	31	7.25	453	3.74	55.61	0.93	767	12
1755	2153	31	6.18	453	3.14	45.45	0.82	735	13
1756	2154	31	4.91	453	3.8	29.9	0.87	608	17
1757	2155	31	4.2	453	2.99	24.75	0.98	589	23
1758	2156	31	4.58	454	2.89	27.39	0.82	598	17
1759	2157	31	3.08	454	1.74	17.81	0.84	578	27
1760	2158	31	2.95	451	2.42	15.09	0.48	511	16
1761	2159	31	2.59	452	1.92	9.61	0.76	371	29
1762	2160	31	2.64	453	1.49	12.23	0.69	463	26
1763	2161	31	2.93	452	1.72	12.36	0.83	421	28
1764	2162	31	2.92	453	1.8	14.68	0.58	502	19
1765	2163	31	3.27	451	2.54	19.37	0.28	592	8
1766	2164	31	3.06	452	1.82	15.67	0.57	512	18
1767	2165	31	2.86	452	2.42	15.97	0.43	558	15
1768	2166	31	2.31	452	1.98	13.61	0.24	589	10
1769	2167	31	3.34	454	1.6	11.85	0.78	354	23

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.77	11	0.161	0.913	27.97
1.48	9.69	0.153	0.804	18.659
1.79	11.93	0.15	0.99	14.696
2.23	15.31	0.146	1.271	22.169
2.82	18.86	0.15	1.565	37.302
1.47	9.45	0.156	0.784	6.763
2.17	12.96	0.167	1.076	18.288
1.62	10.58	0.153	0.878	18.286
1.18	8.81	0.134	0.731	11.221
1.65	10.63	0.155	0.882	10.322
1.3	7.3	0.178	0.606	5.455
2.5	16.86	0.148	1.399	11.77
4.7	43.71	0.108	3.628	38.245
4.85	83.08	0.058	6.896	107.164
4.08	32.45	0.126	2.693	27.544
4.06	24.89	0.163	2.066	20.422
3.62	22.65	0.16	1.88	17.144
4.95	48.26	0.103	4.006	46.074
4.34	63.16	0.069	5.242	86.5
1.84	16.06	0.115	1.333	15.457
2.51	14.28	0.176	1.185	9.975
2.76	18.73	0.147	1.555	13.767
2.66	37.07	0.072	3.077	28.438
2.98	24.92	0.12	2.068	21.096
3.28	22.65	0.145	1.88	16.843
3.26	28.72	0.114	2.384	31.049
3.54	49.21	0.072	4.084	49.641
3.36	67.45	0.05	5.598	73.667
3.74	59.35	0.063	4.926	59.796
3.14	48.59	0.065	4.033	55.427
3.8	33.7	0.113	2.797	34.368
2.99	27.74	0.108	2.302	25.255
2.89	30.28	0.095	2.513	33.402
1.74	19.55	0.089	1.623	21.202
2.42	17.51	0.138	1.453	31.438
1.92	11.53	0.167	0.957	12.645
1.49	13.72	0.109	1.139	17.725
1.72	14.08	0.122	1.169	14.892
1.8	16.48	0.109	1.368	25.31
2.54	21.91	0.116	1.819	69.179
1.82	17.49	0.104	1.452	27.491
2.42	18.39	0.132	1.526	37.14
1.98	15.59	0.127	1.294	56.708
1.6	13.45	0.119	1.116	15.192

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1770	2168	31	2.71	454	1.8	14.24	1.17	525	43
1771	2169	31	5.72	454	3.09	42.94	0.43	750	7
1772	2170	31	3.86	453	1.95	26.45	0.3	685	7
1773	2171	31	2.84	453	1.8	17.21	0.92	605	32
1774	2172	31	4	454	2.13	28.49	0.43	712	10
1775	2173	31	4.4	453	2.36	28.52	0.78	648	17
1776	2174	31	6.61	454	2.87	50.24	0.63	760	9
1777	2175	31	3.57	454	1.69	21.79	0.72	610	20
1778	2176	31	3.17	455	1.68	18.66	1.28	588	40
1779	2177	31	7.38	455	2.12	65.34	0.69	885	9
1780	2178	31	3.41	454	2.63	20.99	0.49	615	14
1781	2179	31	3.38	453	2.38	24.42	0.39	722	11
1782	2180	31	3.94	454	2.15	23.87	0.63	605	15
1783	2181	31	2.9	453	1.58	15.64	0.84	539	28
1784	2182	31	2.81	452	1.66	14.36	0.63	511	22
1785	2183	31	9.55	453	3.1	74.02	0.82	775	8
1786	2184	31	8.45	452	2.95	65.41	0.39	774	4
1787	2185	31	2.19	451	1.65	11.45	0.29	522	13
1788	2186	31	0.79	449	0.75	2.34	0.14	296	17
1789	2187	31	0.53	442	0.34	0.87	0.14	164	26
1790	2188	31	0.3	419	0.04	0.24	0.19	80	63
1791	2189	31	0.7	443	0.04	0.19	0.39	27	55
1792	2190	31	0.28	444	0.04	0.04	0.83	14	296
1793	2191	31	0.44	450	0.09	0.44	0	100	0
1794	2192	31	0.63	447	0.43	1.51	0	239	0
1795	2193	31	0.6	449	0.66	2.39	0.04	398	6
1796	2194	31	1.26	453	0.63	5.19	0	411	0
1797	2195	31	0.98	450	0.62	3.76	0	383	0
1798	2196	31	1.07	442	0.54	3.81	0.14	356	13
1799	2197	31	0.98	449	0.37	3.61	0	368	0
1800	2198	31	0.67	451	0.19	1.66	0	247	0
1801	2199	31	0.69	453	0.19	2.06	0	298	0
1802	2200	31	0.24	399	0.24	0.14	0	58	0
1803	2201	31	0.47	432	1.15	0.43	0	91	0
1804	2202	31	0.44	442	0.24	0.14	0	31	0
1805	2203	31	0.48	451	0.04	1	0	208	0
1806	2204	31	0.38	448	0.04	0.43	0	113	0
1807	2205	31	1.61	441	0.44	0.58	0.24	36	14
1808	2206	31	0.51	438	1.1	1.38	0	270	0
1809	2207	31	0.37	439	0.93	1.03	0	278	0
1810	2208	31	0.3	424	0.46	0.28	0	93	0
1811	2209	31	0.37	459	0.04	0.19	0	51	0
1812	2210	31	0.41	432	0.98	0.73	0	178	0
1813	2211	31	0.49	446	0.9	1.33	0	271	0

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.8	16.04	0.112	1.331	12.171
3.09	46.03	0.067	3.82	99.86
1.95	28.4	0.069	2.357	88.167
1.8	19.01	0.095	1.578	18.707
2.13	30.62	0.07	2.541	66.256
2.36	30.88	0.076	2.563	36.564
2.87	53.11	0.054	4.408	79.746
1.69	23.48	0.072	1.949	30.264
1.68	20.34	0.083	1.688	14.578
2.12	67.46	0.031	5.599	94.696
2.63	23.62	0.111	1.96	42.837
2.38	26.8	0.089	2.224	62.615
2.15	26.02	0.083	2.16	37.889
1.58	17.22	0.092	1.429	18.619
1.66	16.02	0.104	1.33	22.794
3.1	77.12	0.04	6.401	90.268
2.95	68.36	0.043	5.674	167.718
1.65	13.1	0.126	1.087	39.483
0.75	3.09	0.243	0.256	16.714
0.34	1.21	0.281	0.1	6.214
0.04	0.28	0.143	0.023	1.263
0.04	0.23	0.174	0.019	0.487
0.04	0.08	0.5	0.007	0.048
0.09	0.53	0.17	0.044	
0.43	1.94	0.222	0.161	
0.66	3.05	0.216	0.253	59.75
0.63	5.82	0.108	0.483	
0.62	4.38	0.142	0.364	
0.54	4.35	0.124	0.361	27.214
0.37	3.98	0.093	0.33	
0.19	1.85	0.103	0.154	
0.19	2.25	0.084	0.187	
0.24	0.38	0.632	0.032	
1.15	1.58	0.728	0.131	
0.24	0.38	0.632	0.032	
0.04	1.04	0.038	0.086	
0.04	0.47	0.085	0.039	
0.44	1.02	0.431	0.085	2.417
1.1	2.48	0.444	0.206	
0.93	1.96	0.474	0.163	
0.46	0.74	0.622	0.061	
0.04	0.23	0.174	0.019	
0.98	1.71	0.573	0.142	
0.9	2.23	0.404	0.185	

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
1814	2212	31	0.24	441	0.68	0.53	0	220	0
1815	2213	31	0.54	453	0.09	1.45	0.14	268	25
1816	2214	31	0.44	452	0.09	1.49	0.19	338	43
1817	2215	31	0.5	453	0.19	1.4	0.33	280	66
1818	2216	31	1.4	453	0.33	2.13	0.77	152	55
1819	2217	31	0.93	453	0.48	4.23	0.96	454	103
1820	2218	31	0.9	454	0.38	3.89	0.52	432	57
1821	2219	31	2.48	454	0.6	15.2	0.75	612	30
1822	2220	31	1.68	454	0.63	6.35	0.97	377	57
1823	2221	31	2.93	453	0.67	19.8	0.72	675	24
1824	2222	31	5.87	456	0.97	50.29	0.48	856	8
1825	2223	31	3.8	453	0.94	28.5	0.69	750	18
1826	2224	31	6.68	455	1.34	58.25	0.64	872	9
1827	2225	31	3.35	451	1.18	17.93	1.08	535	32
1828	2226	31	3.58	454	0.82	23.83	0.77	665	21
1829	2227	31	3.5	453	0.83	19.65	0.73	561	20
1830	2228	31	4.15	455	0.97	31.12	0.82	749	19
1831	2229	31	1.81	453	0.88	12.4	0.29	685	16
1832	2230	31	0.77	450	0.49	2.59	0.19	336	24
1833	2231	31	0.58	451	0.19	1.28	0.24	220	41
1834	2232	31	0.4	448	0.09	0.39	0.29	97	72
1835	2233	31	0.69	448	0.14	0.44	0.34	63	49
1836	2234	31	0.55	444	0.18	0.37	0.51	67	92
1837	2235	31	0.46	449	0.38	0.9	0.52	195	113
1838	2236	31	0.14	449	0.28	0.71	1	507	714
2077	2237	31	1.78	445	0.52	4.23	0.33	237	18
2078	2238	31	2.67	447	0.77	9.03	0.33	338	12
2079	2239	31	2.04	445	0.48	7.31	0.39	358	19
2080	2240	31	1.91	447	0.62	8.46	0.38	442	19
2081	2241	31	3.38	448	1.21	20.39	0.43	603	12
2082	2242	31	2.39	449	1.02	10.78	0.39	451	16
2083	2243	31	1.47	444	0.55	4.25	0.4	289	27
2084	2244	31	2.14	446	0.57	6.25	0.38	292	17
2085	2245	31	1.74	447	0.54	5.46	0.34	313	19
2086	2246	31	2.11	446	0.88	7.43	0.39	352	18
2087	2247	31	2.27	444	0.94	7.21	0.34	317	14
2088	2248	31	1.32	444	0.48	4.24	0.53	321	40
2089	2249	31	1.99	446	0.77	7.57	0.82	380	41
2090	2250	31	1.63	444	0.89	5.44	0.49	333	30
2091	2251	31	2.64	447	1.15	9.51	0.57	360	21
2092	2252	31	2.82	448	0.99	10.84	0.39	384	13
2093	2253	31	1.76	446	0.57	5.09	0.57	289	32
2094	2254	31	1.55	446	0.54	5.37	0.54	346	34
2095	2255	31	1.49	445	0.59	5.76	0.49	386	32

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.68	1.21	0.562	0.1	
0.09	1.54	0.058	0.128	10.357
0.09	1.58	0.057	0.131	7.842
0.19	1.59	0.119	0.132	4.242
0.33	2.46	0.134	0.204	2.766
0.48	4.71	0.102	0.391	4.406
0.38	4.27	0.089	0.354	7.481
0.6	15.8	0.038	1.311	20.267
0.63	6.98	0.09	0.579	6.546
0.67	20.47	0.033	1.699	27.5
0.97	51.26	0.019	4.255	104.771
0.94	29.44	0.032	2.444	41.304
1.34	59.59	0.022	4.946	91.016
1.18	19.11	0.062	1.586	16.602
0.82	24.65	0.033	2.046	30.948
0.83	20.48	0.041	1.7	26.918
0.97	32.09	0.03	2.663	37.951
0.88	13.28	0.066	1.102	42.759
0.49	3.08	0.159	0.256	13.632
0.19	1.47	0.129	0.122	5.333
0.09	0.48	0.188	0.04	1.345
0.14	0.58	0.241	0.048	1.294
0.18	0.55	0.327	0.046	0.725
0.38	1.28	0.297	0.106	1.731
0.28	0.99	0.283	0.082	0.71
0.52	4.75	0.109	0.394	12.818
0.77	9.8	0.079	0.813	27.364
0.48	7.79	0.062	0.647	18.744
0.62	9.08	0.068	0.754	22.263
1.21	21.6	0.056	1.793	47.419
1.02	11.8	0.086	0.979	27.641
0.55	4.8	0.115	0.398	10.625
0.57	6.82	0.084	0.566	16.447
0.54	6	0.09	0.498	16.059
0.88	8.31	0.106	0.69	19.051
0.94	8.15	0.115	0.676	21.206
0.48	4.72	0.102	0.392	8
0.77	8.34	0.092	0.692	9.232
0.89	6.33	0.141	0.525	11.102
1.15	10.66	0.108	0.885	16.684
0.99	11.83	0.084	0.982	27.795
0.57	5.66	0.101	0.47	8.93
0.54	5.91	0.091	0.491	9.944
0.59	6.35	0.093	0.527	11.755

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2096	2256	31	1.83	445	0.77	7.34	0.53	401	28
2097	2257	31	2.09	446	0.67	8.26	0.52	395	24
2098	2258	31	1.62	445	0.33	3.64	0.53	224	32
2099	2259	31	2.11	446	0.44	4.75	0.58	225	27
2100	2260	31	2.12	444	0.68	6.55	0.49	308	23
2101	2261	31	1.54	444	0.42	3.64	0.52	236	33
2102	2262	31	2.76	446	0.94	8.41	0.44	304	15
2103	2263	31	1.73	445	0.69	4.95	0.49	286	28
2104	2264	31	1.63	445	0.64	5.22	0.49	320	30
2105	2265	31	1.92	447	0.73	6.74	0.44	351	22
2106	2266	31	1.78	446	0.49	5.39	0.44	302	24
2107	2267	31	1.56	446	0.54	4.53	0.44	290	28
2108	2268	31	1.4	445	0.64	4.63	0.59	330	42
2109	2269	31	1.19	445	0.39	3.31	0.64	278	53
2110	2270	31	1.83	449	0.86	6.82	0.72	372	39
2111	2271	31	3.16	449	1.23	12.67	0.54	400	17
2112	2272	31	2.05	448	1.02	8.38	1.17	408	57
2113	2273	31	1.05	445	0.82	4.7	0.67	447	63
2114	2274	31	1.23	449	0.73	6.97	0.63	566	51
2115	2275	31	1.1	446	0.78	6.89	0.78	626	70
2116	2276	31	3.4	449	1.11	16.47	0.48	484	14
2117	2277	31	5.38	447	2.15	35.98	0.78	668	14
2118	2278	31	4.72	450	1.51	37.9	0.78	802	16
2119	2279	31	10.48	450	4.63	94.97	0.83	906	7
2120	2280	31	5.23	449	2.72	34.25	0.84	654	16
2121	2281	31	3.2	449	1.57	13.79	0.83	430	25
2122	2282	31	2.84	448	1.55	11.94	0.63	420	22
2123	2283	31	1.99	445	0.94	6.26	0.69	314	34
2124	2284	31	1.73	448	0.91	7.48	0.86	432	49
2125	2285	31	3.88	449	1.59	28.06	0.77	723	19
2126	2286	31	3.31	449	1.64	19.27	0.77	582	23
2127	2287	31	2.29	448	1.17	14.04	0.87	613	37
2128	2288	31	2.78	449	1.12	19.26	0.73	692	26
2129	2289	31	3.53	450	1.23	23.25	0.88	658	24
2130	2290	31	2.9	450	1.01	20.09	0.97	692	33
2131	2291	31	3.13	450	0.96	20.57	0.57	657	18
2132	2292	31	3.11	450	0.97	21.21	0.82	681	26
2133	2293	31	3.17	449	0.99	20.19	0.89	636	28
2134	2294	31	2.76	450	0.57	14.87	0.96	538	34
2135	2295	31	2.57	449	0.72	15.82	0.72	615	28
2136	2296	31	2.9	448	1.1	18.18	0.71	626	24
2137	2297	31	2.1	449	0.96	11.15	0.72	530	34
2138	2298	31	4.23	448	1.56	30.14	0.82	712	19
2139	2299	31	4.27	447	1.71	25.44	0.93	595	21

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.77	8.11	0.095	0.673	13.849
0.67	8.93	0.075	0.741	15.885
0.33	3.97	0.083	0.33	6.868
0.44	5.19	0.085	0.431	8.19
0.68	7.23	0.094	0.6	13.367
0.42	4.06	0.103	0.337	7
0.94	9.35	0.101	0.776	19.114
0.69	5.64	0.122	0.468	10.102
0.64	5.86	0.109	0.486	10.653
0.73	7.47	0.098	0.62	15.318
0.49	5.88	0.083	0.488	12.25
0.54	5.07	0.107	0.421	10.295
0.64	5.27	0.121	0.437	7.847
0.39	3.7	0.105	0.307	5.172
0.86	7.68	0.112	0.637	9.472
1.23	13.9	0.088	1.154	23.463
1.02	9.4	0.109	0.78	7.162
0.82	5.52	0.149	0.458	7.015
0.73	7.7	0.095	0.639	11.063
0.78	7.67	0.102	0.637	8.833
1.11	17.58	0.063	1.459	34.312
2.15	38.13	0.056	3.165	46.128
1.51	39.41	0.038	3.271	48.59
4.63	99.6	0.046	8.267	114.422
2.72	36.97	0.074	3.069	40.774
1.57	15.36	0.102	1.275	16.614
1.55	13.49	0.115	1.12	18.952
0.94	7.2	0.131	0.598	9.072
0.91	8.39	0.108	0.696	8.698
1.59	29.65	0.054	2.461	36.442
1.64	20.91	0.078	1.736	25.026
1.17	15.21	0.077	1.262	16.138
1.12	20.38	0.055	1.692	26.384
1.23	24.48	0.05	2.032	26.42
1.01	21.1	0.048	1.751	20.711
0.96	21.53	0.045	1.787	36.088
0.97	22.18	0.044	1.841	25.866
0.99	21.18	0.047	1.758	22.685
0.57	15.44	0.037	1.282	15.49
0.72	16.54	0.044	1.373	21.972
1.1	19.28	0.057	1.6	25.606
0.96	12.11	0.079	1.005	15.486
1.56	31.7	0.049	2.631	36.756
1.71	27.15	0.063	2.253	27.355

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2140	2300	31	2.49	449	0.94	20.18	0.9	810	36
2141	2301	31	4.88	451	1.33	41.62	1.13	852	23
2142	2302	31	5.86	450	1.4	47.37	0.77	808	13
2143	2303	31	2.45	451	0.68	15.9	0.82	648	33
2144	2304	31	3.87	450	0.94	28.01	0.79	723	20
2145	2305	31	4.17	450	1.06	30.24	1.45	725	34
2146	2306	31	4.5	449	6.91	29.15	2.93	647	65
2147	2307	31	4.17	449	1.03	30.79	0.99	738	23
2148	2308	31	4.11	450	0.93	27.4	0.98	666	23
2149	2309	31	4.18	450	1.17	32.39	1.02	774	24
2150	2310	31	8.8	451	1.96	77.2	0.93	877	10
2151	2311	31	4.02	447	1.63	26.83	1.03	667	25
2152	2312	31	4.24	447	1.8	30.14	1.02	710	24
2153	2313	31	4.5	450	1.57	41.13	1.18	914	26
2154	2314	31	5.85	451	1.71	52.35	0.83	894	14
2155	2315	31	3.93	449	1.2	23.81	1.11	605	28
2156	2316	31	3.52	448	1.29	24.08	1.2	684	34
2157	2317	31	4.84	450	1.23	36.93	1.48	763	30
2158	2318	31	9.47	451	2.03	91.21	0.87	963	9
2159	2319	31	5.52	451	1.2	44.8	0.85	811	15
2160	2320	31	2.11	448	1.13	12.22	0.84	579	39
2161	2321	31	2.91	448	1.18	17.88	0.78	614	26
2162	2322	31	3.1	450	0.93	20.88	0.64	673	20
2163	2323	31	2.91	449	1.07	14.63	0.92	502	31
2164	2324	31	2.22	450	0.97	11.55	1.06	520	47
2165	2325	31	2.33	448	1.7	14.92	1.02	640	43
2166	2326	31	5.54	450	1.9	49.46	0.97	892	17
2167	2327	31	3.51	450	1.22	20.14	0.83	573	23
2168	2328	31	2.53	449	1	15.3	0.85	604	33
2169	2329	31	3.2	451	0.98	22.69	1.02	709	31
2170	2330	31	4.44	451	1.13	33.36	0.54	751	12
2171	2331	31	2.97	450	1.44	20.43	0.72	687	24
2172	2332	31	5.85	451	2.48	44.78	0.66	765	11
2173	2333	31	4.19	448	2.29	27.85	0.78	664	18
2174	2334	31	3.06	449	1.51	23.83	0.71	778	23
2175	2335	31	1.4	447	1.22	5.8	0.66	414	47
2176	2336	31	1.39	447	0.94	8.16	0.34	587	24
2177	2337	31	0.79	444	0.58	1.9	0.29	240	36
2178	2338	31	0.4	441	0.38	1.14	0.28	285	70
2179	2339	31	0.57	439	0.48	1.06	0.33	185	57
2180	2340	31	0.24	435	0.28	0.48	0.33	200	137
2181	2341	31	0.16	440	0.39	0.59	0.39	368	243
2182	2342	31	0.37	440	0.58	0.82	1.02	221	275
2183	2343	31	0.04	441	0.19	0.39	0.34	975	850

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.94	21.12	0.045	1.753	22.422
1.33	42.95	0.031	3.565	36.832
1.4	48.77	0.029	4.048	61.519
0.68	16.58	0.041	1.376	19.39
0.94	28.95	0.032	2.403	35.456
1.06	31.3	0.034	2.598	20.855
6.91	36.06	0.192	2.993	9.949
1.03	31.82	0.032	2.641	31.101
0.93	28.33	0.033	2.351	27.959
1.17	33.56	0.035	2.785	31.755
1.96	79.16	0.025	6.57	83.011
1.63	28.46	0.057	2.362	26.049
1.8	31.94	0.056	2.651	29.549
1.57	42.7	0.037	3.544	34.856
1.71	54.06	0.032	4.487	63.072
1.2	25.01	0.048	2.076	21.45
1.29	25.37	0.051	2.106	20.067
1.23	38.16	0.032	3.167	24.953
2.03	93.24	0.022	7.739	104.839
1.2	46	0.026	3.818	52.706
1.13	13.35	0.085	1.108	14.548
1.18	19.06	0.062	1.582	22.923
0.93	21.81	0.043	1.81	32.625
1.07	15.7	0.068	1.303	15.902
0.97	12.52	0.077	1.039	10.896
1.7	16.62	0.102	1.379	14.627
1.9	51.36	0.037	4.263	50.99
1.22	21.36	0.057	1.773	24.265
1	16.3	0.061	1.353	18
0.98	23.67	0.041	1.965	22.245
1.13	34.49	0.033	2.863	61.778
1.44	21.87	0.066	1.815	28.375
2.48	47.26	0.052	3.923	67.848
2.29	30.14	0.076	2.502	35.705
1.51	25.34	0.06	2.103	33.563
1.22	7.02	0.174	0.583	8.788
0.94	9.1	0.103	0.755	24
0.58	2.48	0.234	0.206	6.552
0.38	1.52	0.25	0.126	4.071
0.48	1.54	0.312	0.128	3.212
0.28	0.76	0.368	0.063	1.455
0.39	0.98	0.398	0.081	1.513
0.58	1.4	0.414	0.116	0.804
0.19	0.58	0.328	0.048	1.147

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2184	2344	31	0.73	426	0.28	0.33	0.28	45	38
2185	2345	31	0.01	400	0.09	0.14	0.24	0	2400
2186	2346	31	0.32	413	0.04	0.14	0.19	43	59
2187	2347	31	0.28	376	0.04	0.09	0.58	32	207
2188	2348	31	0.24	385	0	0.09	0.28	37	116
2189	2349	31	0.41	444	0.18	0.69	1.06	168	258
2190	2350	31	0.63	442	0.69	1.81	0.83	287	131
2191	2351	31	0.72	446	0.82	2.39	0.53	331	73
2192	2352	31	0.65	444	0.88	2.38	0.74	366	113
2193	2353	31	0.6	444	0.72	2.06	0.96	343	160
2194	2354	31	0.13	446	0.61	0.98	1.22	753	938
2195	2356	31	4.56	439	2.09	31.36	0.71	688	16
2196	2357	31	3.05	440	1.09	18.7	0.66	613	22
2197	2358	31	1.9	440	0.7	10.04	0.63	528	33
2198	2359	31	1.48	439	0.62	10.15	0.47	686	32
2199	2360	31	2.12	443	0.28	13.26	0.57	625	27
2200	2361	31	3.85	444	0.72	25.91	0.6	673	16
2201	2362	31	1.82	444	0.29	9.65	0.55	530	30
2202	2363	31	1.79	442	0.24	3.47	0.4	194	22
2203	2364	31	1.28	445	0.13	4.04	0.3	316	23
2204	2365	31	3.68	446	1.07	27.59	0.4	750	11
2205	2366	31	3.79	444	0.91	26.19	0.6	691	16
2206	2367	31	3.18	445	0.72	21.77	0.64	685	20
2207	2368	31	3.91	443	0.96	23.94	0.61	613	16
2208	2369	31	6.43	446	1.75	53.86	0.67	838	10
2209	2370	31	6.14	445	2.15	50.52	0.54	823	9
2210	2371	31	6.05	449	1.89	46.36	0.5	766	8
2211	2372	31	12.15	451	3.39	111.76	0.56	920	5
2212	2373	31	8.24	446	4.04	68.49	0.65	831	8
2213	2374	31	8.98	449	3.47	76.89	0.57	856	6
2214	2375	31	8.14	449	3.49	71.27	0.52	876	6
2215	2376	31	7.21	446	3.35	57.87	0.48	803	7
2216	2377	31	15.42	450	4.91	143.27	0.6	929	4
2217	2378	31	11.5	450	3.96	106.61	0.57	927	5
2218	2379	31	10.26	447	3.82	91.37	0.53	891	5
2219	2380	31	10.27	448	4.43	92.25	0.63	899	6
2220	2381	31	3.44	442	1.47	22.94	0.57	667	17
2221	2382	31	1.68	444	0.22	7.77	0.48	463	29
2222	2383	31	1.11	440	0.14	4.05	0.6	365	54
2223	2384	31	1.3	437	0.23	5.96	0.51	458	39
2224	2385	31	1.03	440	0.17	3.41	0.57	331	55
2225	2386	31	2.29	447	0.61	12.81	0.73	559	32
2226	2387	31	1.36	440	0.2	4.86	0.61	357	45
2227	2388	31	3.61	441	1.28	23.47	0.37	650	10

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.28	0.61	0.459	0.051	1.179
0.09	0.23	0.391	0.019	0.583
0.04	0.18	0.222	0.015	0.737
0.04	0.13	0.308	0.011	0.155
0	0.09	0	0.007	0.321
0.18	0.87	0.207	0.072	0.651
0.69	2.5	0.276	0.208	2.181
0.82	3.21	0.255	0.266	4.509
0.88	3.26	0.27	0.271	3.216
0.72	2.78	0.259	0.231	2.146
0.61	1.59	0.384	0.132	0.803
2.09	33.45	0.062	2.776	44.169
1.09	19.79	0.055	1.643	28.333
0.7	10.74	0.065	0.891	15.937
0.62	10.77	0.058	0.894	21.596
0.28	13.54	0.021	1.124	23.263
0.72	26.63	0.027	2.21	43.183
0.29	9.94	0.029	0.825	17.545
0.24	3.71	0.065	0.308	8.675
0.13	4.17	0.031	0.346	13.467
1.07	28.66	0.037	2.379	68.975
0.91	27.1	0.034	2.249	43.65
0.72	22.49	0.032	1.867	34.016
0.96	24.9	0.039	2.067	39.246
1.75	55.61	0.031	4.616	80.388
2.15	52.67	0.041	4.372	93.556
1.89	48.25	0.039	4.005	92.72
3.39	115.15	0.029	9.557	199.571
4.04	72.53	0.056	6.02	105.369
3.47	80.36	0.043	6.67	134.895
3.49	74.76	0.047	6.205	137.058
3.35	61.22	0.055	5.081	120.562
4.91	148.18	0.033	12.299	238.783
3.96	110.57	0.036	9.177	187.035
3.82	95.19	0.04	7.901	172.396
4.43	96.68	0.046	8.024	146.429
1.47	24.41	0.06	2.026	40.246
0.22	7.99	0.028	0.663	16.188
0.14	4.19	0.033	0.348	6.75
0.23	6.19	0.037	0.514	11.686
0.17	3.58	0.047	0.297	5.982
0.61	13.42	0.045	1.114	17.548
0.2	5.06	0.04	0.42	7.967
1.28	24.75	0.052	2.054	63.432

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2228	2389	31	5.07	442	2.25	37.6	0.36	742	7
2229	2390	31	4.47	443	1.88	32.7	0.51	732	11
2230	2391	31	5.86	441	3.58	43.11	0.38	736	6
2231	2392	31	6.06	441	3.2	45.91	0.51	758	8
2232	2393	31	4.36	439	2.04	27.86	0.35	639	8
2233	2394	31	4.28	441	1.84	28.44	0.38	665	9
2234	2395	31	2.11	439	1.02	11.68	0.45	554	21
2235	2396	31	0.96	436	0.83	6.08	0.46	633	48
2236	2397	31	1.08	422	1.77	6.6	0.32	611	30
2237	2398	31	1.64	430	2.64	10.64	0.34	649	21
2238	2399	31	0.76	422	1.78	3.81	0.31	501	41
2239	2400	31	0.92	434	2.23	5.37	0.26	584	28
2240	2401	31	1.06	435	2.61	5.67	0.31	535	29
2241	2402	31	0.53	444	0.38	1.77	0.21	334	40
2242	2403	31	0.49	444	0.13	1.66	0.3	339	61
2243	2404	31	0.4	422	0.5	2.12	0.19	530	48
2244	2405	31	0.73	426	1.03	4.19	0.32	574	44
2245	2406	31	0.67	431	1.15	4.08	0.36	609	54
2246	2407	31	0.68	423	0.94	3.37	0.26	496	38
2247	2408	31	0.34	424	0.26	1.53	0.36	450	106
2248	2409	31	0.4	424	0.5	2.18	0.26	545	65
2249	2410	31	0.49	430	0.51	2.79	0.36	569	73
2250	2411	31	1.04	431	2.19	6.06	0.36	583	35
2251	2412	31	0.72	442	0.9	2.37	0.53	329	74
2252	2413	31	0.71	441	1.29	3.55	0.49	500	69
2253	2414	31	0.64	444	0.12	2.48	0.54	388	84
2254	2415	31	0.65	445	0.09	2.32	0.49	357	75
2255	2416	31	0.8	441	0.12	2.49	0.57	311	71
2256	2417	31	0.95	445	0.2	3.09	0.56	325	59
2257	2418	31	0.94	441	0.35	3.58	0.66	381	70
2258	2419	31	1.19	443	0.51	4.07	0.52	342	44
2259	2420	31	1.37	445	0.63	5.64	0.62	412	45
2260	2421	31	2.95	443	1.8	19.09	0.58	647	20
2261	2422	31	5.2	442	3.47	36.66	0.75	705	14
2262	2423	31	4.07	443	3.14	27.18	0.71	668	17
2263	2424	31	7.9	443	4.47	60.3	0.7	764	9
2264	2425	31	7.11	446	4.81	80.13	0.61	1128	9
2265	2426	31	9.83	443	4.7	79.2	0.53	806	5
2266	2427	31	7.99	442	5.8	59.47	0.57	745	7
2267	2428	31	7.5	438	5.2	60.24	1.07	804	14
2268	2429	31	3.36	443	2.91	22.82	0.84	679	25
2269	2430	31	4.59	444	2.99	32.05	0.79	698	17
2270	2431	31	3.95	444	3.05	26.92	0.58	682	15
2271	2432	31	1.98	442	1.1	10.95	0.57	553	29

HC_Shows	HC_Potentia	PI	PC	S2/S3
2.25	39.85	0.056	3.308	104.444
1.88	34.58	0.054	2.87	64.118
3.58	46.69	0.077	3.875	113.447
3.2	49.11	0.065	4.076	90.02
2.04	29.9	0.068	2.482	79.6
1.84	30.28	0.061	2.513	74.842
1.02	12.7	0.08	1.054	25.956
0.83	6.91	0.12	0.574	13.217
1.77	8.37	0.211	0.695	20.625
2.64	13.28	0.199	1.102	31.294
1.78	5.59	0.318	0.464	12.29
2.23	7.6	0.293	0.631	20.654
2.61	8.28	0.315	0.687	18.29
0.38	2.15	0.177	0.178	8.429
0.13	1.79	0.073	0.149	5.533
0.5	2.62	0.191	0.217	11.158
1.03	5.22	0.197	0.433	13.094
1.15	5.23	0.22	0.434	11.333
0.94	4.31	0.218	0.358	12.962
0.26	1.79	0.145	0.149	4.25
0.5	2.68	0.187	0.222	8.385
0.51	3.3	0.155	0.274	7.75
2.19	8.25	0.265	0.685	16.833
0.9	3.27	0.275	0.271	4.472
1.29	4.84	0.267	0.402	7.245
0.12	2.6	0.046	0.216	4.593
0.09	2.41	0.037	0.2	4.735
0.12	2.61	0.046	0.217	4.368
0.2	3.29	0.061	0.273	5.518
0.35	3.93	0.089	0.326	5.424
0.51	4.58	0.111	0.38	7.827
0.63	6.27	0.1	0.52	9.097
1.8	20.89	0.086	1.734	32.914
3.47	40.13	0.086	3.331	48.88
3.14	30.32	0.104	2.517	38.282
4.47	64.77	0.069	5.376	86.143
4.81	84.94	0.057	7.05	131.361
4.7	83.9	0.056	6.964	149.434
5.8	65.27	0.089	5.417	104.333
5.2	65.44	0.079	5.432	56.299
2.91	25.73	0.113	2.136	27.167
2.99	35.04	0.085	2.908	40.57
3.05	29.97	0.102	2.488	46.414
1.1	12.05	0.091	1	19.211

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2272	2433	31	1.28	430	1.96	5.81	0.51	454	40
2273	2434	31	1.19	436	1.98	5.83	0.47	490	39
2274	2435	31	1.31	444	0.82	5.37	0.57	410	44
2275	2436	31	2.17	443	1.26	12.38	0.41	571	19
2276	2437	31	2.32	444	1.03	13.32	0.58	574	25
2277	2438	31	2.78	442	1.35	15.97	0.57	574	21
2278	2439	31	1.28	435	1.94	5.31	0.42	415	33
2279	2440	31	1.46	427	2.54	7.22	0.37	495	25
2280	2441	31	1.21	435	2.23	6.57	0.47	543	39
2281	2442	31	1.19	442	1.09	4.38	0.44	368	37
2282	2443	31	1.78	434	2.49	10.87	0.47	611	26
2283	2444	31	1.51	431	1.52	8.14	0.42	539	28
2284	2445	31	1.05	444	0.56	4.21	0.47	401	45
2285	2446	31	1.13	448	0.6	4.56	0.52	404	46
2286	2447	31	2.58	443	0.73	15.74	0.47	610	18
2287	2448	31	4.47	447	0.98	29.05	0.57	650	13
2288	2449	31	3.68	448	1.07	25.6	0.48	696	13
2289	2450	31	0.89	431	1.58	3.75	0.43	421	48
2290	2451	31	1.04	438	1.31	3.67	0.31	353	30
2291	2452	31	1.18	435	1.71	3.82	0.41	324	35
2292	2453	31	0.83	439	1.1	2.84	0.28	342	34
2293	2454	31	0.97	439	1.71	3.72	0.4	384	41
2294	2455	31	0.82	440	0.51	2.33	0.36	284	44
2295	2456	31	1.15	448	0.11	3.21	0.43	279	37
2296	2457	31	0.78	440	0.6	2.45	0.23	314	29
2297	2458	31	0.87	446	0.17	2.15	0.47	247	54
2298	2459	31	0.87	445	0.07	2.16	0.48	248	55
2299	2460	31	1.24	443	1.02	5.77	0.67	465	54
2300	2461	31	0.97	441	1.51	3.89	0.57	401	59
2301	2462	31	1.01	441	1.34	3.62	0.6	358	59
2302	2463	31	0.98	440	0.44	3.18	0.49	324	50
2303	2464	31	1.53	444	0.54	5.63	0.56	368	37
2304	2465	31	0.91	449	0.18	2.13	0.67	234	74
2305	2466	31	1.33	442	0.84	5.31	0.56	399	42
2306	2467	31	1.55	441	0.79	6.71	0.6	433	39
2307	2468	31	2.83	444	1.01	15.34	0.68	542	24
2308	2469	31	6.65	442	2.5	47.93	0.77	721	12
2309	2470	31	5.39	442	1.65	38.08	0.75	707	14
2310	2471	31	1.19	443	0.83	4.42	0.59	371	50
2311	2472	31	1.06	430	1.61	5.01	0.51	473	48
2312	2473	31	0.74	441	0.48	2.7	0.5	365	68
2313	2474	31	0.76	444	0.09	1.34	0.57	176	75
2314	2475	31	0.88	445	0.13	2.17	0.45	247	51
2315	2476	31	1.41	434	1.52	8.17	0.44	579	31

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.96	7.77	0.252	0.645	11.392
1.98	7.81	0.254	0.648	12.404
0.82	6.19	0.132	0.514	9.421
1.26	13.64	0.092	1.132	30.195
1.03	14.35	0.072	1.191	22.966
1.35	17.32	0.078	1.438	28.018
1.94	7.25	0.268	0.602	12.643
2.54	9.76	0.26	0.81	19.514
2.23	8.8	0.253	0.73	13.979
1.09	5.47	0.199	0.454	9.955
2.49	13.36	0.186	1.109	23.128
1.52	9.66	0.157	0.802	19.381
0.56	4.77	0.117	0.396	8.957
0.6	5.16	0.116	0.428	8.769
0.73	16.47	0.044	1.367	33.489
0.98	30.03	0.033	2.492	50.965
1.07	26.67	0.04	2.214	53.333
1.58	5.33	0.296	0.442	8.721
1.31	4.98	0.263	0.413	11.839
1.71	5.53	0.309	0.459	9.317
1.1	3.94	0.279	0.327	10.143
1.71	5.43	0.315	0.451	9.3
0.51	2.84	0.18	0.236	6.472
0.11	3.32	0.033	0.276	7.465
0.6	3.05	0.197	0.253	10.652
0.17	2.32	0.073	0.193	4.574
0.07	2.23	0.031	0.185	4.5
1.02	6.79	0.15	0.564	8.612
1.51	5.4	0.28	0.448	6.825
1.34	4.96	0.27	0.412	6.033
0.44	3.62	0.122	0.3	6.49
0.54	6.17	0.088	0.512	10.054
0.18	2.31	0.078	0.192	3.179
0.84	6.15	0.137	0.51	9.482
0.79	7.5	0.105	0.622	11.183
1.01	16.35	0.062	1.357	22.559
2.5	50.43	0.05	4.186	62.247
1.65	39.73	0.042	3.298	50.773
0.83	5.25	0.158	0.436	7.492
1.61	6.62	0.243	0.549	9.824
0.48	3.18	0.151	0.264	5.4
0.09	1.43	0.063	0.119	2.351
0.13	2.3	0.057	0.191	4.822
1.52	9.69	0.157	0.804	18.568

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2316	2477	31	0.82	443	0.45	2.32	0.58	283	71
2317	2478	31	0.78	447	0.39	2.59	0.46	332	59
2318	2479	31	0.91	444	0.2	2.45	0.49	269	54
2319	2480	31	0.92	443	0.33	2.82	0.39	307	42
2320	2481	31	1.07	446	0.29	3.34	0.42	312	39
2321	2482	31	2.26	443	0.48	12.66	0.46	560	20
2322	2483	31	2.25	442	1.11	12.91	0.69	574	31
2323	2484	31	1.25	441	0.75	4.61	0.68	369	54
2324	2485	31	1.54	444	0.8	5.94	0.5	386	32
2325	2486	31	2.03	441	1.03	9.2	0.62	453	31
2326	2487	31	1.93	445	0.86	8.81	0.59	456	31
2327	2488	31	1.27	446	0.71	5.27	0.52	415	41
2328	2489	31	1.04	444	0.65	3.72	0.47	358	45
2329	2490	31	1.73	446	0.66	6.61	0.49	382	28
2330	2491	31	1.94	448	0.68	8.57	0.5	442	26
2331	2492	31	3.17	449	0.86	18.81	0.55	594	17
2332	2493	31	2.39	447	0.45	11.44	0.61	479	26
2333	2494	31	2.3	448	0.6	11.69	0.56	508	24
2334	2495	31	3.94	446	0.97	25.46	0.51	646	13
2335	2496	31	5.74	446	2	39.78	0.53	693	9
2336	2497	31	1.26	438	0.91	5.19	0.38	412	30
2337	2498	31	1.02	447	0.34	3.57	0.44	350	43
2338	2499	31	0.94	444	0.31	3.01	0.44	320	47
2339	2500	31	1.52	443	0.71	6.05	0.51	398	34
2340	2501	31	2.52	446	1.2	15.08	0.48	598	19
2341	2502	31	1.67	443	0.56	7.42	0.54	444	32
2342	2503	31	6.29	444	1.97	42.86	0.6	682	10
2343	2504	31	3.33	444	0.94	18.39	0.57	553	17
2344	2505	31	2.71	443	0.78	11.54	0.55	426	20
2345	2506	31	2.18	443	0.77	11.85	0.49	544	22
2346	2507	31	3.74	445	1.21	24.23	0.47	648	13
2347	2508	31	4.12	445	1.77	26.25	0.38	637	9
2348	2509	31	2.82	442	1.06	17.19	0.53	610	19
2349	2510	31	1.04	439	0.53	5.08	0.5	488	48
2350	2511	31	0.88	443	0.33	3.12	0.42	355	48
2351	2512	31	1.15	444	0.51	4.81	0.44	418	38
2352	2513	31	2.67	442	0.98	15.44	0.47	578	18
2353	2514	31	5.43	444	1.24	40.09	0.57	738	10
2354	2515	31	2.56	445	0.98	14.08	0.57	550	22
2355	2516	31	2.71	444	1.03	15.6	0.46	576	17
2356	2517	31	4.08	446	1.39	27.57	0.6	676	15
2357	2518	31	4.95	448	1.48	35.12	0.44	710	9
2358	2519	31	1.77	441	2.26	8.34	0.49	471	28
2359	2520	31	1.54	446	1.13	6.31	0.32	410	21

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.45	2.77	0.162	0.23	4
0.39	2.98	0.131	0.247	5.63
0.2	2.65	0.075	0.22	5
0.33	3.15	0.105	0.261	7.231
0.29	3.63	0.08	0.301	7.952
0.48	13.14	0.037	1.091	27.522
1.11	14.02	0.079	1.164	18.71
0.75	5.36	0.14	0.445	6.779
0.8	6.74	0.119	0.559	11.88
1.03	10.23	0.101	0.849	14.839
0.86	9.67	0.089	0.803	14.932
0.71	5.98	0.119	0.496	10.135
0.65	4.37	0.149	0.363	7.915
0.66	7.27	0.091	0.603	13.49
0.68	9.25	0.074	0.768	17.14
0.86	19.67	0.044	1.633	34.2
0.45	11.89	0.038	0.987	18.754
0.6	12.29	0.049	1.02	20.875
0.97	26.43	0.037	2.194	49.922
2	41.78	0.048	3.468	75.057
0.91	6.1	0.149	0.506	13.658
0.34	3.91	0.087	0.325	8.114
0.31	3.32	0.093	0.276	6.841
0.71	6.76	0.105	0.561	11.863
1.2	16.28	0.074	1.351	31.417
0.56	7.98	0.07	0.662	13.741
1.97	44.83	0.044	3.721	71.433
0.94	19.33	0.049	1.604	32.263
0.78	12.32	0.063	1.023	20.982
0.77	12.62	0.061	1.047	24.184
1.21	25.44	0.048	2.112	51.553
1.77	28.02	0.063	2.326	69.079
1.06	18.25	0.058	1.515	32.434
0.53	5.61	0.094	0.466	10.16
0.33	3.45	0.096	0.286	7.429
0.51	5.32	0.096	0.442	10.932
0.98	16.42	0.06	1.363	32.851
1.24	41.33	0.03	3.43	70.333
0.98	15.06	0.065	1.25	24.702
1.03	16.63	0.062	1.38	33.913
1.39	28.96	0.048	2.404	45.95
1.48	36.6	0.04	3.038	79.818
2.26	10.6	0.213	0.88	17.02
1.13	7.44	0.152	0.618	19.719

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2360	2521	31	1.75	448	1.14	8.9	0.44	509	25
2361	2522	31	1.25	442	0.79	2.87	0.45	230	36
2362	2523	31	2.04	445	0.87	8.12	0.27	398	13
2363	2524	31	1.72	446	0.57	5.66	0.65	329	38
2364	2525	31	2.1	444	0.67	5.63	0.54	268	26
2365	2526	31	1.53	446	0.53	4.18	0.68	273	44
2366	2527	31	2.1	446	0.75	6.61	0.51	315	24
2367	2528	31	1.76	444	0.59	5.49	0.59	312	34
2368	2529	31	1.69	448	0.45	4.13	0.62	244	37
2369	2530	31	1.6	447	0.42	3.91	0.67	244	42
2370	2531	31	1.37	449	0.36	3.23	0.61	236	45
2371	2532	31	2.31	444	0.7	7.58	0.59	328	26
2372	2533	31	1.94	439	1.84	7.17	0.49	370	25
2373	2534	31	1.11	423	2.42	4.77	0.39	430	35
2374	2535	31	1.43	438	1.77	6.33	0.63	443	44
2375	2536	31	1.85	448	0.74	6.06	0.63	328	34
2376	2537	31	2.83	443	0.96	11.65	0.85	412	30
2377	2538	31	2.98	446	0.9	12.14	0.78	408	26
2378	2539	31	2.16	445	0.91	7.39	0.92	342	43
2379	2540	31	1.84	444	0.74	5.92	0.89	322	48
2380	2541	31	2.3	444	0.91	7.2	0.81	313	35
2381	2542	31	3.26	445	1.3	15.14	0.65	465	20
2382	2543	31	3.78	445	1.57	22.47	0.66	594	17
2383	2544	31	2.9	444	1.07	15.43	0.66	532	23
2384	2545	31	2.05	444	0.86	10.19	0.62	497	30
2385	2546	31	2.02	446	0.65	10.72	0.67	531	33
2386	2547	31	1.92	445	0.62	9.01	0.66	469	34
2387	2548	31	3.82	447	1.38	27.3	0.57	715	15
2388	2549	31	5.78	446	1.64	45.3	0.57	784	10
2389	2550	31	5.74	446	1.69	45.71	0.55	797	10
2390	2551	31	2.68	441	1.74	18.23	0.54	680	20
2391	2552	31	1.76	445	0.87	7.76	0.55	441	31
2392	2553	31	0.32	442	0.17	0.66	0.52	206	163
2393	2554	31	0.15	440	0.02	0.17	0.47	113	313
2394	2555	31	0.11	440	0	0.02	0.48	18	436
2395	2556	31	0.14	440	0	0.05	0.59	36	421
2396	2557	31	0.16	440	0	0.16	0.57	100	356
2397	2558	31	0.39	442	0.07	0.51	0.49	131	126
2398	2559	31	0.65	445	0.17	1.02	0.43	157	66
2399	2560	31	0.12	433	0	0.03	0.5	25	417
2400	2561	31	0.06	391	0	0.06	0.43	100	717
2401	2562	31	0.05	392	0	0.02	0.44	40	880
2402	2563	31	0.29	440	0.01	0.45	0.37	155	128
2403	2564	31	0.74	435	0.16	1.8	0.6	243	81

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.14	10.04	0.114	0.833	20.227
0.79	3.66	0.216	0.304	6.378
0.87	8.99	0.097	0.746	30.074
0.57	6.23	0.091	0.517	8.708
0.67	6.3	0.106	0.523	10.426
0.53	4.71	0.113	0.391	6.147
0.75	7.36	0.102	0.611	12.961
0.59	6.08	0.097	0.505	9.305
0.45	4.58	0.098	0.38	6.661
0.42	4.33	0.097	0.359	5.836
0.36	3.59	0.1	0.298	5.295
0.7	8.28	0.085	0.687	12.847
1.84	9.01	0.204	0.748	14.633
2.42	7.19	0.337	0.597	12.231
1.77	8.1	0.219	0.672	10.048
0.74	6.8	0.109	0.564	9.619
0.96	12.61	0.076	1.047	13.706
0.9	13.04	0.069	1.082	15.564
0.91	8.3	0.11	0.689	8.033
0.74	6.66	0.111	0.553	6.652
0.91	8.11	0.112	0.673	8.889
1.3	16.44	0.079	1.365	23.292
1.57	24.04	0.065	1.995	34.045
1.07	16.5	0.065	1.37	23.379
0.86	11.05	0.078	0.917	16.435
0.65	11.37	0.057	0.944	16
0.62	9.63	0.064	0.799	13.652
1.38	28.68	0.048	2.38	47.895
1.64	46.94	0.035	3.896	79.474
1.69	47.4	0.036	3.934	83.109
1.74	19.97	0.087	1.658	33.759
0.87	8.63	0.101	0.716	14.109
0.17	0.83	0.205	0.069	1.269
0.02	0.19	0.105	0.016	0.362
0	0.02	0	0.002	0.042
0	0.05	0	0.004	0.085
0	0.16	0.02	0.013	0.281
0.07	0.58	0.121	0.048	1.041
0.17	1.19	0.143	0.099	2.372
0	0.03	0.07	0.002	0.06
0	0.06	0	0.005	0.14
0	0.02	0	0.002	0.045
0.01	0.46	0.022	0.038	1.216
0.16	1.96	0.082	0.163	3

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2404	2565	31	0.17	0	0	0	0.47	0	276
2405	2566	31	0.33	429	0.1	0.06	0.44	18	133
2406	2567	31	0.7	413	2.16	1.31	0.33	187	47
2407	2568	31	0.15	0	0	0	0.59	0	393
2408	2569	31	0.44	428	0.01	0.04	0.64	9	145
2409	2570	31	0.68	449	0.03	0.1	0.34	15	50
2410	2571	31	0.05	0	0	0	0.3	0	600
2411	2572	31	0.19	433	0	0.13	0.44	68	232
2412	2573	31	0.23	434	0	0.08	0.41	35	178
2413	2574	31	0.13	433	0	0.08	0.29	62	223
2414	2575	31	0.17	435	0	0.03	0.38	18	224
2415	2576	31	0.14	399	0	0.01	0.34	7	243
2416	2577	31	0.32	445	0	0.76	0.37	238	116
2417	2578	31	0	0	0	0	0.76	0	0
2418	2579	31	0	0	0	0	0.38	0	0
2419	2580	31	0	0	0	0	0.24	0	0
2420	2581	31	2.34	441	1.6	13.67	0.35	584	15
2421	2582	31	0.55	446	0.08	2.08	0.68	378	124
2422	2583	31	0.46	440	0.01	0.43	0.32	93	70
2423	2584	31	0.23	445	0	0.27	0.32	117	139
2424	2585	31	1.1	447	0.08	1.87	0.32	170	29
2425	2586	31	2.27	447	0.56	8.47	0.25	373	11
2426	2587	31	3.86	446	1.61	27.9	0.57	723	15
2427	2588	31	3.15	449	1.11	22.17	0.95	704	30
2428	2589	31	3.28	449	1.18	20.34	0.57	620	17
2429	2590	31	2.06	449	0.51	9.11	0.73	442	35
2430	2591	31	2.79	448	1.02	13.31	0.62	477	22
2431	2592	31	4.28	447	1.57	28.68	0.76	670	18
2432	2593	31	6.16	448	3.39	49.42	0.92	802	15
2433	2594	31	3.46	448	2.16	25.77	0.92	745	27
2434	2595	31	0.44	444	0.04	1.09	0.67	248	152
2435	2596	31	0.33	442	0.02	0.83	0.52	252	158
2436	2597	31	1.94	445	0.86	9.77	0.5	504	26
2437	2598	31	2.25	449	1.28	11.07	0.69	492	31
2438	2599	31	2.47	451	1.44	13.82	0.73	560	30
2439	2600	31	3.99	448	2.21	25.26	0.8	633	20
2440	2601	31	2.25	446	1.29	11.62	0.82	516	36
2441	2602	31	0.18	442	0.04	0.44	0.68	244	378
2442	2603	31	0.46	445	0.05	0.67	0.64	146	139
2443	2604	31	1.73	444	0.92	7.95	0.52	460	30
2444	2605	31	4.3	450	2.33	30.46	0.57	709	13
2445	2606	31	0.88	443	0.53	4.1	0.83	466	94
2446	2607	31	1.68	449	0.6	7.38	0.61	439	36
2447	2608	31	1.83	446	0.96	7.5	0.52	410	28

HC_Shows	HC_Potentia	PI	PC	S2/S3
0	0	0	0	
0.1	0.16	0.625	0.013	0.136
2.16	3.47	0.622	0.288	3.97
0	0	1	0	
0.01	0.05	0.2	0.004	0.062
0.03	0.13	0.231	0.011	0.294
0	0	0	0	
0	0.13	0	0.011	0.295
0	0.08	0	0.007	0.195
0	0.08	0	0.007	0.276
0	0.03	0	0.002	0.079
0	0.01	0	0.001	0.029
0	0.76	0	0.063	2.054
0	0	0	0	
0	0	0	0	
0	0	0	0	
1.6	15.27	0.105	1.267	39.057
0.08	2.16	0.037	0.179	3.059
0.01	0.44	0.023	0.037	1.344
0	0.27	0.01	0.022	0.844
0.08	1.95	0.041	0.162	5.844
0.56	9.03	0.062	0.749	33.88
1.61	29.51	0.055	2.449	48.947
1.11	23.28	0.048	1.932	23.337
1.18	21.52	0.055	1.786	35.684
0.51	9.62	0.053	0.798	12.479
1.02	14.33	0.071	1.189	21.468
1.57	30.25	0.052	2.511	37.737
3.39	52.81	0.064	4.383	53.717
2.16	27.93	0.077	2.318	28.011
0.04	1.13	0.035	0.094	1.627
0.02	0.85	0.024	0.071	1.596
0.86	10.63	0.081	0.882	19.54
1.28	12.35	0.104	1.025	16.043
1.44	15.26	0.094	1.267	18.932
2.21	27.47	0.08	2.28	31.575
1.29	12.91	0.1	1.072	14.171
0.04	0.48	0.083	0.04	0.647
0.05	0.72	0.069	0.06	1.047
0.92	8.87	0.104	0.736	15.288
2.33	32.79	0.071	2.722	53.439
0.53	4.63	0.114	0.384	4.94
0.6	7.98	0.075	0.662	12.098
0.96	8.46	0.113	0.702	14.423

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2448	2609	31	0.73	443	0.22	3.17	0.43	434	59
2449	2610	31	1.46	443	0.59	5.27	0.44	361	30
2450	2611	31	1.28	442	0.52	3.75	0.34	293	27
2451	2612	31	0.88	440	0.45	4.17	0.38	474	43
2452	2613	31	3.5	443	3.98	17.88	0.52	511	15
2453	2614	31	3.37	444	3.09	22.03	0.73	654	22
2454	2615	31	4.12	449	3.77	28.03	1.01	681	25
2455	2616	31	4.94	451	2.49	39.09	1.04	791	21
2456	2617	31	3.72	448	3.22	21.72	1.06	584	28
2457	2618	31	4.36	444	5.4	28.84	0.83	661	19
2458	2619	31	3.26	446	4.45	19.67	0.88	603	27
2459	2620	31	1.93	442	3.01	8.19	0.78	424	40
2460	2621	31	5.71	446	7.12	37.66	0.65	660	11
2461	2622	31	6.4	447	6.5	44.96	0.74	703	12
2462	2623	31	3.69	450	4.14	23.79	0.78	645	21
2463	2624	31	5.58	446	4.01	38.66	0.52	693	9
2464	2625	31	4.92	446	6.37	32.01	0.69	651	14
2465	2626	31	1.77	446	3.45	10.41	0.69	588	39
2466	2627	31	0.97	436	3.22	4.5	0.72	464	74
2467	2628	31	1.48	424	3.72	9.47	0.65	640	44
2468	2629	31	0.93	430	3.39	5.27	0.66	567	71
2469	2630	31	0.46	445	0.25	1.71	0.6	372	130
2470	2631	31	0.48	447	0.14	1.64	0.48	342	100
2471	2632	31	1.32	445	0.9	5.33	0.48	404	36
2472	2633	31	2.26	448	2.38	10.13	0.62	448	27
2473	2634	31	2.9	448	2.64	16.05	0.77	553	27
2474	2635	31	1.33	444	1.31	4.82	0.85	362	64
2475	2636	31	1.5	443	1.01	5.39	0.71	359	47
2476	2637	31	2.02	447	2.25	7.87	0.74	390	37
2477	2638	31	2.4	443	2.99	10.7	0.77	446	32
2478	2639	31	5.4	449	2.96	38.55	0.8	714	15
2479	2640	31	4.13	449	2.58	24.47	0.72	593	17
2480	2641	31	2.96	441	2.99	12.9	0.76	436	26
2481	2642	31	2.59	441	2.68	11.04	0.84	426	32
2482	2643	31	2	440	2.6	8.67	0.75	434	38
2483	2644	31	1.86	440	2.28	7.72	0.75	415	40
2484	2645	31	3.99	446	3.44	25.01	0.79	627	20
2485	2646	31	4.87	447	3.57	29.75	0.79	611	16
2486	2647	31	6.01	444	4.39	39.21	0.76	653	13
2487	2648	31	8.92	447	4.86	60.94	0.78	684	9
2488	2649	31	3.05	442	3.01	15.43	0.67	506	22
2489	2650	31	2.53	441	2.94	11.13	0.77	440	30
2490	2651	31	2.34	441	2.95	11.51	0.73	492	31
2491	2652	31	2.58	446	2.35	13.71	0.65	531	25

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.22	3.39	0.065	0.281	7.372
0.59	5.86	0.101	0.486	11.977
0.52	4.27	0.122	0.354	11.029
0.45	4.62	0.097	0.383	10.974
3.98	21.86	0.182	1.814	34.385
3.09	25.12	0.123	2.085	30.178
3.77	31.8	0.119	2.639	27.752
2.49	41.58	0.06	3.451	37.587
3.22	24.94	0.129	2.07	20.491
5.4	34.24	0.158	2.842	34.747
4.45	24.12	0.184	2.002	22.352
3.01	11.2	0.269	0.93	10.5
7.12	44.78	0.159	3.717	57.938
6.5	51.46	0.126	4.271	60.757
4.14	27.93	0.148	2.318	30.5
4.01	42.67	0.094	3.542	74.346
6.37	38.38	0.166	3.186	46.391
3.45	13.86	0.249	1.15	15.087
3.22	7.72	0.417	0.641	6.25
3.72	13.19	0.282	1.095	14.569
3.39	8.66	0.391	0.719	7.985
0.25	1.96	0.128	0.163	2.85
0.14	1.78	0.079	0.148	3.417
0.9	6.23	0.144	0.517	11.104
2.38	12.51	0.19	1.038	16.339
2.64	18.69	0.141	1.551	20.844
1.31	6.13	0.214	0.509	5.671
1.01	6.4	0.158	0.531	7.592
2.25	10.12	0.222	0.84	10.635
2.99	13.69	0.218	1.136	13.896
2.96	41.51	0.071	3.445	48.188
2.58	27.05	0.095	2.245	33.986
2.99	15.89	0.188	1.319	16.974
2.68	13.72	0.195	1.139	13.143
2.6	11.27	0.231	0.935	11.56
2.28	10	0.228	0.83	10.293
3.44	28.45	0.121	2.361	31.658
3.57	33.32	0.107	2.766	37.658
4.39	43.6	0.101	3.619	51.592
4.86	65.8	0.074	5.461	78.128
3.01	18.44	0.163	1.531	23.03
2.94	14.07	0.209	1.168	14.455
2.95	14.46	0.204	1.2	15.767
2.35	16.06	0.146	1.333	21.092

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2492	2653	31	5.08	446	3.68	29.72	0.61	585	12
2493	2654	31	2.55	442	2.91	12.8	0.55	502	22
2494	2655	31	2.99	443	2.6	15.03	0.58	503	19
2495	2656	31	3.55	449	2.4	20.98	0.6	591	17
2496	2657	31	5.18	451	1.97	37.81	0.6	730	12
2497	2658	31	3.11	445	3.96	16.89	0.67	543	22
2498	2659	31	6.52	446	6.26	44.77	0.7	687	11
2499	2660	31	3.78	444	5.25	20.17	0.59	534	16
2500	2661	31	4.34	447	6.07	27.32	0.52	630	12
2501	2662	31	5.97	447	6.06	40.85	0.68	685	11
2502	2663	31	5.2	446	5.19	35.41	0.4	681	8
2503	2664	31	5.7	446	4.1	36.93	0.64	648	11
2504	2665	31	4.03	443	6.28	22.6	0.6	561	15
2505	2666	31	5.29	447	6.41	34.59	0.56	654	11
2506	2667	31	2.75	441	4.68	13.98	0.56	508	20
2507	2668	31	5.12	445	2.89	34.58	0.54	676	11
2508	2669	31	4.25	442	7.83	25.31	0.6	596	14
2509	2670	31	6.3	449	3.68	45.35	0.58	720	9
2510	2671	31	1.29	443	3.25	6.14	0.56	476	43
2511	2672	31	1.96	437	5.05	9.28	0.49	473	25
2512	2673	31	3.95	445	5.39	22.82	0.45	578	11
2513	2674	31	1.76	449	1.77	6.91	0.48	393	27
2514	2675	31	2.69	443	4.65	11.31	0.49	420	18
2515	2676	31	2.92	440	4.15	14.04	0.62	481	21
2516	2677	31	2.77	441	4.88	10.91	0.47	394	17
2517	2678	31	2.42	440	4.03	8.78	0.49	363	20
2518	2679	31	2.72	442	3.87	10.2	0.43	375	16
2519	2680	31	1.67	444	2.05	4.5	0.35	269	21
2520	2681	31	1.89	443	1.75	5.62	0.41	297	22
2521	2682	31	1.87	440	2.82	5.94	0.45	318	24
2522	2683	31	1.65	442	2.6	5.43	0.47	329	28
2523	2684	31	2.22	439	3.22	7.13	0.48	321	22
2524	2685	31	1.89	437	4.34	7.78	0.46	412	24
2525	2686	31	1.65	435	4.01	6.61	0.54	401	33
2526	2687	31	2.03	444	2.25	7.55	0.55	372	27
2527	2688	31	2.35	445	1.43	8.53	0.61	363	26
2528	2689	31	2.87	447	1.4	11.31	0.57	394	20
2529	2690	31	2.5	445	1.32	7.44	0.65	298	26
2530	2691	31	2.2	445	1.24	7.14	0.6	325	27
2531	2692	31	2.1	446	1.06	5.78	0.69	275	33
2532	2693	31	4.31	447	2.21	22.44	0.67	521	16
2533	2694	31	4.42	450	2.48	28.58	0.6	647	14
2534	2695	31	4.44	449	2.48	25.88	0.6	583	14
2535	2696	31	2.63	446	3.63	13.63	0.58	518	22

HC_Shows	HC_Potentia	PI	PC	S2/S3
3.68	33.4	0.11	2.772	48.721
2.91	15.71	0.185	1.304	23.273
2.6	17.63	0.147	1.463	25.914
2.4	23.38	0.103	1.941	34.967
1.97	39.78	0.05	3.302	63.017
3.96	20.85	0.19	1.731	25.209
6.26	51.03	0.123	4.235	63.957
5.25	25.42	0.207	2.11	34.186
6.07	33.39	0.182	2.771	52.538
6.06	46.91	0.129	3.894	60.074
5.19	40.6	0.128	3.37	88.525
4.1	41.03	0.1	3.405	57.703
6.28	28.88	0.217	2.397	37.667
6.41	41	0.156	3.403	61.768
4.68	18.66	0.251	1.549	24.964
2.89	37.47	0.077	3.11	64.037
7.83	33.14	0.236	2.751	42.183
3.68	49.03	0.075	4.069	78.19
3.25	9.39	0.346	0.779	10.964
5.05	14.33	0.352	1.189	18.939
5.39	28.21	0.191	2.341	50.711
1.77	8.68	0.204	0.72	14.396
4.65	15.96	0.291	1.325	23.082
4.15	18.19	0.228	1.51	22.645
4.88	15.79	0.309	1.311	23.213
4.03	12.81	0.315	1.063	17.918
3.87	14.07	0.275	1.168	23.721
2.05	6.55	0.313	0.544	12.857
1.75	7.37	0.237	0.612	13.707
2.82	8.76	0.322	0.727	13.2
2.6	8.03	0.324	0.666	11.553
3.22	10.35	0.311	0.859	14.854
4.34	12.12	0.358	1.006	16.913
4.01	10.62	0.378	0.881	12.241
2.25	9.8	0.23	0.813	13.727
1.43	9.96	0.144	0.827	13.984
1.4	12.71	0.11	1.055	19.842
1.32	8.76	0.151	0.727	11.446
1.24	8.38	0.148	0.696	11.9
1.06	6.84	0.155	0.568	8.377
2.21	24.65	0.09	2.046	33.493
2.48	31.06	0.08	2.578	47.633
2.48	28.36	0.087	2.354	43.133
3.63	17.26	0.21	1.433	23.5

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2536	2697	31	3.46	450	3.73	18.71	0.61	541	18
2537	2698	31	4.57	451	3.01	30.19	0.6	661	13
2538	2699	31	7.34	449	3.59	53.84	0.82	734	11
2539	2700	31	3.62	451	3.25	19.33	0.79	534	22
2540	2701	31	3.92	448	4.19	21.39	1.13	546	29
2541	2702	31	3.09	447	2.89	14.81	0.89	480	29
2542	2703	31	6.27	453	2.02	49.92	0.97	796	15
2543	2704	31	2.95	448	2.25	15.79	1.03	536	35
2544	2705	31	4.34	449	2.3	23.76	1.11	548	26
2545	2706	31	3.11	450	2.33	14.69	0.98	473	32
2546	2707	31	3.59	449	2.99	18.82	0.92	525	26
2547	2708	31	2.47	449	1.79	10.72	1	434	40
2548	2709	31	2.11	447	1.59	9.29	0.84	440	40
2549	2710	31	2.08	449	1.58	7.93	0.8	381	38
2550	2711	31	1.46	447	1.28	6.67	0.69	457	47
2551	2712	31	2.03	447	1.39	7.65	0.7	377	34
2552	2713	31	2.27	445	1.63	9.32	1.08	411	48
2553	2714	31	3.81	446	2.42	23.44	0.75	615	20
2554	2715	31	6.87	449	2.74	50.42	0.93	734	14
2555	2716	31	5.1	448	2.21	33.27	0.75	653	15
2556	2717	31	7.68	449	2.34	55.7	0.88	726	11
2557	2718	31	2.2	446	2.31	11.63	0.98	529	45
2558	2719	31	0.74	442	0.41	1.99	0.77	269	104
2559	2720	31	0.13	437	0	0.17	0.62	131	477
2560	2721	31	0.07	449	0	0.03	0.54	43	771
2561	2722	31	0.07	446	0	0.03	0.51	43	729
2562	2723	31	0.18	443	0.01	0.29	0.46	161	256
2563	2724	31	0.34	444	0.14	0.8	0.61	235	179
2564	2725	31	0.53	446	0.29	1.11	0.56	209	106
2565	2726	31	0.83	442	0.72	1.73	0.91	208	110
2566	2727	31	1.48	419	7.62	6.07	0.56	410	38
2567	2728	31	0.75	428	1.98	1.41	0.63	188	84
2568	2729	31	1.26	435	1.8	4.09	0.55	325	44
2569	2730	31	0.73	441	0.37	1.81	0.59	248	81
2570	2731	31	0.08	449	0	0	0.41	0	513
2571	2732	31	0.12	449	0	0.01	0.41	8	342
2572	2733	31	0.06	0	0	0	0.36	0	600
2573	2734	31	0.07	0	0	0	0.36	0	514
2574	2735	31	0.07	0	0	0	0.09	0	129
2575	2736	31	0.04	0	0	0	0.56	0	1400
2576	2737	31	0.15	0	0	0	0.43	0	287
2577	2738	31	0.11	443	0	0.06	0.46	55	418
2578	2739	31	0.11	433	0	0.1	0.32	91	291
2579	2740	31	0.13	396	0.57	0.19	0.17	146	131

HC_Shows	HC_Potentia	PI	PC	S2/S3
3.73	22.44	0.166	1.863	30.672
3.01	33.2	0.091	2.756	50.317
3.59	57.43	0.063	4.767	65.659
3.25	22.58	0.144	1.874	24.468
4.19	25.58	0.164	2.123	18.929
2.89	17.7	0.163	1.469	16.64
2.02	51.94	0.039	4.311	51.464
2.25	18.04	0.125	1.497	15.33
2.3	26.06	0.088	2.163	21.405
2.33	17.02	0.137	1.413	14.99
2.99	21.81	0.137	1.81	20.457
1.79	12.51	0.143	1.038	10.72
1.59	10.88	0.146	0.903	11.06
1.58	9.51	0.166	0.789	9.912
1.28	7.95	0.161	0.66	9.667
1.39	9.04	0.154	0.75	10.929
1.63	10.95	0.149	0.909	8.63
2.42	25.86	0.094	2.146	31.253
2.74	53.16	0.052	4.412	54.215
2.21	35.48	0.062	2.945	44.36
2.34	58.04	0.04	4.817	63.295
2.31	13.94	0.166	1.157	11.867
0.41	2.4	0.171	0.199	2.584
0	0.17	0.03	0.014	0.274
0	0.03	0	0.002	0.056
0	0.03	0	0.002	0.059
0.01	0.3	0.033	0.025	0.63
0.14	0.94	0.149	0.078	1.311
0.29	1.4	0.207	0.116	1.982
0.72	2.45	0.294	0.203	1.901
7.62	13.69	0.557	1.136	10.839
1.98	3.39	0.584	0.281	2.238
1.8	5.89	0.306	0.489	7.436
0.37	2.18	0.17	0.181	3.068
0	0	0.48	0	
0	0.01	0.16	0.001	0.024
0	0	0	0	
0	0	0	0.01	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0.06	0	0.005	0.13
0	0.1	0	0.008	0.312
0.57	0.76	0.75	0.063	1.118

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2580	2741	31	0.11	402	0.5	0.05	0.18	45	164
2581	2742	31	0.07	0	0.01	0	0.1	0	143
2582	2743	31	1.26	412	7.09	4.46	0.2	354	16
2583	2744	31	1.03	415	6.02	4.01	0.35	389	34
2584	2745	31	0.28	413	1.39	0.47	0.37	168	132
2585	2746	31	1.09	414	6	3.91	0.19	359	17
2586	2747	31	0.39	429	1.05	0.68	0.54	174	138
2587	2748	31	0.64	445	1.12	1.74	0.33	272	52
2588	2749	31	0.36	448	0.35	0.82	0.3	228	83
2589	2750	31	0.25	437	0.38	0.38	0.19	152	76
2590	2751	31	0.32	444	0.58	0.7	0.21	219	66
2591	2752	31	0.51	444	0.69	1.96	0.31	384	61
2592	2753	31	2.16	445	2.28	12.12	0.49	561	23
2593	2754	31	5.28	450	2.72	38.46	0.59	729	11
2594	2755	31	6.8	449	2.57	50.56	0.69	744	10
2595	2756	31	4.46	451	1.74	29.12	0.78	653	17
2596	2757	31	3.85	450	1.69	19.41	0.82	504	21
2597	2758	31	5.62	449	2.19	41.87	0.76	745	14
2598	2759	31	2.87	446	1.6	16.91	0.91	589	32
2599	2760	31	1.39	446	0.42	4.83	0.71	347	51
2600	2761	31	0.22	445	0	0.24	0.59	109	268
2601	2762	31	0.17	445	0	0.07	0.57	41	335
2602	2763	31	0.2	443	0.04	0.28	0.55	140	275
2603	2764	31	0.86	444	0.42	2.42	0.42	281	49
2604	2765	31	0.07	0	0.01	0	0.29	0	414
2605	2766	31	0.14	415	0.46	0.19	0.2	136	143
2606	2767	31	0.11	411	0.08	0.01	0.28	9	255
2607	2768	31	0.22	402	0.52	0.31	0.28	141	127
2608	2769	32	0.25						
2609	2770	32	0.19						
2610	2771	32	0.13						
2611	2772	32	0.15						
2612	2773	32	0.14						
2613	2774	32	0.09						
2614	2775	32	0.15						
2615	2776	32	0.1						
2616	2777	32	0.28						
2617	2778	32	0.48						
2618	2779	32	0.45						
2619	2780	32	0.8	491	0.18	0.28	0.05	35	6
2620	2781	32	0.3	441	0.3	0.6	1.04	116	199
2621	2782	32	0.38						
2622	2783	32	0.44						
2623	2784	32	0.26						

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.5	0.55	0.909	0.046	0.278
0.01	0.01	1	0.001	
7.09	11.55	0.614	0.959	22.3
6.02	10.03	0.6	0.832	11.457
1.39	1.86	0.747	0.154	1.27
6	9.91	0.605	0.823	20.579
1.05	1.73	0.607	0.144	1.259
1.12	2.86	0.392	0.237	5.273
0.35	1.17	0.299	0.097	2.733
0.38	0.76	0.5	0.063	2
0.58	1.28	0.453	0.106	3.333
0.69	2.65	0.26	0.22	6.323
2.28	14.4	0.158	1.195	24.735
2.72	41.18	0.066	3.418	65.186
2.57	53.13	0.048	4.41	73.275
1.74	30.86	0.056	2.561	37.333
1.69	21.1	0.08	1.751	23.671
2.19	44.06	0.05	3.657	55.092
1.6	18.51	0.086	1.536	18.582
0.42	5.25	0.08	0.436	6.803
0	0.24	0	0.02	0.407
0	0.07	0	0.006	0.123
0.04	0.32	0.125	0.027	0.509
0.42	2.84	0.148	0.236	5.762
0.01	0.01	1	0.001	
0.46	0.65	0.708	0.054	0.95
0.08	0.09	0.889	0.007	0.036
0.52	0.83	0.627	0.069	1.107
0.18	0.46	0.391	0.038	5.6
0.3	0.9	0.333	0.075	0.577

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2624	2785	32	0.28						
2625	2786	32	0.27						
2626	2787	32	0.48						
2627	2788	32	0.48						
2628	2789	32	42						
2629	2790	32	0.63	471	0.27	0.38	0.11	61	18
2630	2791	32	0.4						
2631	2792	32	0.42						
2632	2793	32	0.29						
2633	2794	32	0.45						
2634	2795	32	0.52	5	0.15	0.22	0.09	42	17
2635	2796	32	0.37						
2636	2797	32	0.6	479	0.17	0.22	1.16	37	194
2637	2798	32	0.47						
2638	2799	32	0.27						
2639	2800	32	0.39						
2640	2801	32	0.47						
2641	2802	32	0.61	502	0.21	0.28	0.14	45	23
2642	2803	32	0.55	518	0.25	0.35	0.16	64	29
2643	2804	32	0.44						
2644	2805	32	0.38						
2645	2806	32	0.57	456	0.27	0.25	0.08	44	14
2646	2807	32	0.8	492	0.3	0.36	0.1	45	13
2647	2808	32	0.88	501	0.34	0.31	0.06	35	7
2648	2809	32	0.75	510	0.25	0.37	0.12	50	16
2649	2810	32	0.78	505	0.28	0.36	0.14	46	18
2650	2811	32	0.66	520	0.21	0.22	0.11	33	17
2651	2812	32	0.42						
2652	2813	32	0.44						
2653	2814	32	0.41						
2654	2815	32	0.51	537	0.19	0.33	0.88	65	173
2655	2816	32	0.64	503	0.15	0.23	0.1	36	16
2656	2817	32	0.15						
2657	2818	32	0.27						
2658	2819	32	0.28						
2659	2820	32	0.41						
2660	2821	32	0.65	512	0.14	0.12	0.09	18	14
2661	2822	32	0.8	504	0.2	0.29	0.21	37	26
2662	2823	32	0.93	517	0.17	0.25	0.18	27	19
2663	2824	32	0.73	524	0.13	0.22	0.35	30	48
2664	2825	32	0.7	538	0.2	0.34	0.41	49	59
2665	2826	32	0.76	531	0.15	0.42	0.43	56	57
2666	2827	32	0.89	527	0.08	0.2	0.66	23	74
2667	2828	32	0.98	526	0.13	0.31	0.39	32	40

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.27	0.65	0.415	0.054	3.455
0.15	0.37	0.405	0.031	2.444
0.17	0.39	0.436	0.032	0.19
0.21	0.49	0.429	0.041	2
0.25	0.6	0.417	0.05	2.188
0.27	0.52	0.519	0.043	3.125
0.3	0.66	0.455	0.055	3.6
0.34	0.65	0.523	0.054	5.167
0.25	0.62	0.403	0.051	3.083
0.28	0.64	0.438	0.053	2.571
0.21	0.43	0.488	0.036	2
0.19	0.52	0.365	0.043	0.375
0.15	0.38	0.395	0.032	2.3
0.14	0.26	0.538	0.022	1.333
0.2	0.49	0.408	0.041	1.381
0.17	0.42	0.405	0.035	1.389
0.13	0.35	0.371	0.029	0.629
0.2	0.54	0.37	0.045	0.829
0.15	0.57	0.263	0.047	0.977
0.08	0.28	0.286	0.023	0.303
0.13	0.44	0.295	0.037	0.795

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2668	2829	32	1.23	541	0.15	0.35	0.68	28	55
2669	2830	32	1.5	525	0.13	0.19	0.41	13	27
2670	2831	32	1.03	528	0.14	0.27	0.33	26	32
2671	2832	32	0.94	520	0.16	0.29	0.35	30	38
2672	2833	32	0.83						
2673	2834	32	0.9	518	0.16	0.28	0.37	31	41
2674	2835	32	0.98	526	0.08	0.18	0.21	18	21
2675	2836	32	0.43	458	0.05	0.13	0.53	30	123
2676	2837	32	0.81						
2677	2838	32	0.26	479	0.04	0.07	0.27	27	104
2678	2839	32	0.44	480	0.05	0.12	0.34	27	77
2679	2840	32	0.21		0	0.01	0.22	5	105
2680	2841	32	0.35						
2681	2842	32	0.85	491	0.18	0.2	0.22	24	26
2682	2843	32	0.51	503	0.05	0.02	0.58	4	114
2683	2844	32	0.28						
2684	2845	32	0.8	369	0.08	0.09	0.91	11	114
2685	2846	32	0.48	558	0.04	0.01	0.34	2	71
2686	2847	32	0.35	456	0.03	0.02	0.51	6	146
2687	2872	36	0.48						
2688	2873	36	1.08	374	1.82	2.07	0.97	192	90
2689	2874	36	0.78	394	1.05	1.65	0.81	212	103
2690	2875	36	0.62	390	0.85	2.09	0.81	337	131
2691	2876	36	0.29						
2692	2877	36	0.36						
2693	2878	36	0.34						
2694	2879	36	0.29						
2695	2880	36	0.37						
2696	2881	36	0.28						
2697	2882	36	0.37						
2698	2883	36	0.83	475	0.43	0.37	1.04	44	126
2699	2884	36	0.4						
2700	2885	36	0.3						
2701	2886	36	0.35						
2702	2887	36	0.47						
2703	2888	36	0.37						
2704	2889	36	0.32						
2705	2890	36	0.35						
2706	2891	36	0.64	492	0.21	0.27	1.52	42	237
2707	2892	36	0.33						
2708	2893	36	0.31						
2709	2894	36	0.46						
2710	2895	36	0.33						
2711	2896	36	0.52	371	0.78	0.08	0.48	15	92

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.15	0.5	0.3	0.042	0.515
0.13	0.32	0.406	0.027	0.463
0.14	0.41	0.341	0.034	0.818
0.14	0.45	0.356	0.037	0.829
0.16	0.44	0.364	0.037	0.757
0.08	0.26	0.308	0.022	0.857
0.05	0.18	0.278	0.015	0.245
0.04	0.11	0.364	0.009	0.259
0.05	0.17	0.294	0.014	0.353
0	0.01	0	0.001	0.045
0.18	0.38	0.474	0.032	0.909
0.05	0.07	0.714	0.006	0.034
0.08	0.17	0.471	0.014	0.099
0.04	0.05	0.8	0.004	0.029
0.03	0.05	0.6	0.004	0.039
1.82	3.89	0.468	0.323	2.134
1.05	2.7	0.389	0.224	2.037
0.85	3.94	0.289	0.244	2.58
0.43	0.8	0.538	0.066	0.356
0.21	0.48	0.438	0.04	0.178
0.78	0.86	0.907	0.071	0.167

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2712	2897	36	0.36						
2713	2898	36	0.7	405	0.72	1.63	1.45	233	207
2714	2899	36	0.48						
2715	2900	36	1.27	394	1.53	2.54	4.7	200	370
2716	2901	36	1.4	393	1.87	3.35	4.41	239	315
2717	2902	36	0.88	387	0.46	0.42	2.95	47	335
2718	2903	36	0.37						
2719	2904	36	0.65	393	0.65	1.54	1.38	236	213
2720	2905	36	0.53	446	0.51	0.6	1.11	114	210
2721	2906	36	0.53	383	1.05	0.41	1.52	77	286
2722	2907	36	0.38						
2723	2908	36	0.21						
2724	2909	36	0.42						
2725	2910	36	0.41						
2726	2911	36	0.22						
2727	2912	36	0.28						
2728	2913	36	0.28						
2729	2915	36	2.19	433	2.25	11.27	0.63	515	29
2730	2916	31	0.34	450	0.43	0.8	0.59	235	173
2731	2917	31	0.57	445	0.85	1.04	0.42	182	73
2732	2918	31	0.09	453	0.05	0.23	0.25	255	277
2733	2919	31	0.12	449	0.04	0.18	0.21	150	175
2734	2920	31	0.12	450	0.04	0.29	0.25	241	208
2735	2921	31	0.21	453	0.1	0.51	0.21	242	100
2736	2922	31	0.26	453	0.22	0.63	0.1	242	38
2737	2923	31	0.46	452	0.41	1.36	0.13	295	28
2738	2924	31	0.52	449	0.42	1.4	0.08	269	15
2739	2925	31	0.1	454	0	0.12	0.14	120	140
2740	2926	31	2.85	447	1.18	15.89	0.25	557	8
2741	2927	31	3.8	444	2.15	24.12	0.65	634	17
2742	2928	31	0.65	445	0.09	1.46	0.64	224	98
2743	2929	31	0.96	447	0.35	3.95	0.4	411	41
2744	2930	31	1.57	444	0.75	8.06	0.62	513	39
2745	2931	31	3.96	443	3.12	25.36	0.64	640	16
2746	2932	31	1.05	447	0.51	4.73	0.58	450	55
2747	2933	31	0.56	433	0.53	1.89	0.47	337	83
2748	2934	31	0.49	436	0.05	0.99	0.39	202	79
2749	2935	31	1.03	447	0.18	3.35	0.4	325	38
2750	2936	31	5.23	449	2.15	41	0.42	783	8
2751	2937	31	3.43	449	1.6	21.05	0.59	613	17
2752	2938	31	2.57	446	1.25	12.46	0.62	484	24
2753	2939	31	5.87	445	2.37	48.24	0.69	821	11
2754	2940	31	0.48	444	0.1	1.5	0.9	312	187
2755	2941	31	1.92	449	0.58	9.17	0.67	477	34

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.72	2.35	0.306	0.195	1.124
1.53	4.07	0.376	0.338	0.54
1.87	5.22	0.358	0.433	0.76
0.46	0.88	0.523	0.073	0.142
0.65	2.19	0.297	0.182	1.116
0.51	1.11	0.459	0.092	0.541
1.05	1.46	0.719	0.121	0.27
				4.83
2.25	13.52	0.166	1.122	17.889
0.43	1.23	0.35	0.102	1.356
0.85	1.89	0.45	0.157	2.476
0.05	0.28	0.179	0.023	0.92
0.04	0.22	0.182	0.018	0.857
0.04	0.33	0.121	0.027	1.16
0.1	0.61	0.164	0.051	2.429
0.22	0.85	0.259	0.071	6.3
0.41	1.77	0.232	0.147	10.462
0.42	1.82	0.231	0.151	17.5
0	0.12	0.12	0.01	0.857
1.18	17.07	0.069	1.417	63.56
2.15	26.27	0.082	2.18	37.108
0.09	1.55	0.058	0.129	2.281
0.35	4.3	0.081	0.357	9.875
0.75	8.81	0.085	0.731	13
3.12	28.48	0.11	2.364	39.625
0.51	5.24	0.097	0.435	8.155
0.53	2.42	0.219	0.201	4.021
0.05	1.04	0.048	0.086	2.538
0.18	3.53	0.051	0.293	8.375
2.15	43.15	0.05	3.581	97.619
1.6	22.65	0.071	1.88	35.678
1.25	13.71	0.091	1.138	20.097
2.37	50.61	0.047	4.201	69.913
0.1	1.6	0.062	0.133	1.667
0.58	9.75	0.059	0.809	13.687

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2756	2942	31	3.2	445	1.9	16.99	0.65	530	20
2757	2943	31	4.16	446	3.03	30.47	0.71	732	17
2758	2944	31	2.01	442	1.7	11.17	0.69	555	34
2759	2945	31	4.34	446	2.21	30.09	0.67	693	15
2760	2946	31	5.67	448	1.43	46.6	0.68	821	11
2761	2947	31	6.58	449	2.02	56.36	0.72	856	10
2762	2948	31	5.43	452	2.06	38.4	0.85	707	15
2763	2949	31	4.09	448	0.94	29.06	0.79	710	19
2764	2950	31	2.25	448	0.98	11.24	0.77	499	34
2765	2951	31	2.16	443	0.77	12.35	0.64	571	29
2766	2952	31	0.84	445	0.22	4.37	0.69	520	82
2767	2953	31	1.39	445	0.42	5.14	0.59	369	42
2768	2954	31	2.77	449	0.97	15.92	0.79	574	28
2769	2955	31	2.24	448	0.92	15.82	0.75	706	33
2770	2956	31	2.92	448	0.59	19.45	0.84	666	28
2771	2957	31	3.28	451	1.04	26.17	0.81	797	24
2772	2958	31	4.5	447	1.1	34.2	0.76	760	16
2773	2959	31	5.81	451	1.17	47.88	0.72	824	12
2774	2960	31	11.89	452	1.79	110.72	0.78	931	6
2775	2961	31	10.56	449	1.7	92.89	0.84	879	7
2776	2962	31	9.2	448	2.62	80.76	0.72	877	7
2777	2963	31	1.91	443	2.05	9.92	0.69	519	36
2778	2964	31	2.47	446	2.63	14.31	0.68	579	27
2779	2965	31	2.19	447	1.02	10.95	0.67	500	30
2780	2966	31	2.14	448	1.57	10.87	0.6	507	28
2781	2967	31	2.02	449	1.15	11.11	0.55	550	27
2782	2968	31	4.15	445	2.17	26.95	0.77	649	18
2783	2969	31	7.57	449	2.24	54.91	0.78	725	10
2784	2970	31	6.26	445	2.41	45.9	0.85	733	13
2785	2971	31	5.83	443	3.01	39.82	0.75	683	12
2786	2972	31	3.92	443	1.63	23.38	0.68	596	17
2787	2973	31	4.84	448	2.03	32.49	0.81	671	16
2788	2974	31	4.18	443	2.85	25.94	0.85	620	20
2789	2975	31	1.51	442	2.53	7.69	0.71	509	47
2790	2976	31	1.04	445	2.1	4.74	0.74	455	71
2791	2977	31	1.37	441	2.81	7.17	0.87	523	63
2792	2978	31	1.47	442	2.11	8.55	0.79	581	53
2793	2979	31	3.75	446	1.79	24.96	0.78	665	20
2794	2980	31	8.63	447	2.42	68.47	0.85	793	9
2795	2981	31	7.26	450	2	55.63	0.83	766	11
2796	2982	31	7.41	448	2.1	55.58	0.81	750	10
2797	2983	31	7.85	444	2.72	57.83	0.89	736	11
2798	2984	31	7.32	447	2.21	53.77	0.79	734	10
2799	2985	31	3.23	445	2.12	19.23	0.79	595	24

HC_Shows	HC_Potentia	PI	PC	S2/S3
1.9	18.89	0.101	1.568	26.138
3.03	33.5	0.09	2.78	42.915
1.7	12.87	0.132	1.068	16.188
2.21	32.3	0.068	2.681	44.91
1.43	48.03	0.03	3.986	68.529
2.02	58.38	0.035	4.846	78.278
2.06	40.46	0.051	3.358	45.176
0.94	30	0.031	2.49	36.785
0.98	12.22	0.08	1.014	14.597
0.77	13.12	0.059	1.089	19.297
0.22	4.59	0.048	0.381	6.333
0.42	5.56	0.076	0.461	8.712
0.97	16.89	0.057	1.402	20.152
0.92	16.74	0.055	1.389	21.093
0.59	20.04	0.029	1.663	23.155
1.04	27.21	0.038	2.258	32.309
1.1	35.3	0.031	2.93	45
1.17	49.05	0.024	4.071	66.5
1.79	112.51	0.016	9.338	141.949
1.7	94.59	0.018	7.851	110.583
2.62	83.38	0.031	6.921	112.167
2.05	11.97	0.171	0.994	14.377
2.63	16.94	0.155	1.406	21.044
1.02	11.97	0.085	0.994	16.343
1.57	12.44	0.126	1.033	18.117
1.15	12.26	0.094	1.018	20.2
2.17	29.12	0.075	2.417	35
2.24	57.15	0.039	4.743	70.397
2.41	48.31	0.05	4.01	54
3.01	42.83	0.07	3.555	53.093
1.63	25.01	0.065	2.076	34.382
2.03	34.52	0.059	2.865	40.111
2.85	28.79	0.099	2.39	30.518
2.53	10.22	0.248	0.848	10.831
2.1	6.84	0.307	0.568	6.405
2.81	9.98	0.282	0.828	8.241
2.11	10.66	0.198	0.885	10.823
1.79	26.75	0.067	2.22	32
2.42	70.89	0.034	5.884	80.553
2	57.63	0.035	4.783	67.024
2.1	57.68	0.036	4.787	68.617
2.72	60.55	0.045	5.026	64.978
2.21	55.98	0.039	4.646	68.063
2.12	21.35	0.099	1.772	24.342

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2800	2986	31	3.1	446	3.29	19.33	0.7	623	22
2801	2987	31	5.23	446	2.86	34.19	0.77	653	14
2802	2988	31	3.61	443	2.07	20.86	0.68	577	18
2803	2989	31	1.61	437	2.03	6.39	0.78	396	48
2804	2990	31	1.28	437	2.69	6.75	0.76	527	59
2805	2991	31	1.23	436	2.78	6.51	0.78	529	63
2806	2992	31	1.84	442	2.78	10.02	0.83	544	45
2807	2993	31	3.26	446	2.25	17.93	1.04	550	31
2808	2994	31	3.77	444	1.53	18.92	0.81	501	21
2809	2995	31	4.61	447	1.65	30.26	0.78	656	16
2810	2996	31	12.29	452	3.22	95.75	0.84	779	6
2811	2997	31	8.91	446	3	60.69	0.77	681	8
2812	2998	31	2.53	443	1.48	9.88	0.76	390	30
2813	2999	31	1.64	443	1.49	6.32	1.16	385	70
2814	3000	31	2.65	446	1.87	13.76	1.14	519	43
2815	3001	31	3.65	448	1.58	20.72	0.55	567	15
2816	3002	31	6.44	447	3.03	43.93	1.32	682	20
2817	3003	31	8.18	445	3.02	51.94	1.24	634	15
2818	3004	31	2.96	446	2.12	14.44	1.11	487	37
2819	3005	31	3.33	446	3.5	18.92	1.04	568	31
2820	3006	31	2.97	446	1.72	16.67	1.05	561	35
2821	3007	31	4.03	449	1.6	27.23	0.83	675	20
2822	3008	31	6.58	448	2.87	48.41	0.85	735	12
2823	3009	31	4.68	447	2.3	29.27	0.86	625	18
2824	3010	31	3.46	449	0.83	21.44	0.73	619	21
2825	3011	31	3.95	448	1.96	24.74	0.85	626	21
2826	3012	31	4.45	450	1.36	29.28	0.74	657	16
2827	3013	31	2.57	437	5.68	12.25	0.77	476	29
2828	3014	31	3.08	448	1.38	18.23	0.69	591	22
2829	3015	31	5.4	445	0.8	39.82	0.68	737	12
2830	3016	31	3.38	447	1.03	23.02	0.78	681	23
2831	3017	31	0.66	443	0.4	2.17	0.99	328	150
2832	3018	31	0.41	446	0.09	0.86	1.12	209	273
2833	3019	31	0.57	443	0.17	1.46	1.11	256	194
2834	3020	31	0.68	444	0.37	2.27	0.94	333	138
2835	3021	31	1.59	446	1.43	5.77	0.81	362	50
2836	3022	31	2.48	447	1.46	9.17	1.09	369	43
2837	3023	31	2.56	451	2.04	11.02	0.89	430	34
2838	3024	31	2.34	449	0.9	8.34	0.96	356	41
2839	3025	31	2.01	449	1.26	5.83	1.07	290	53
2840	3026	31	2.22	449	1.04	6.11	0.93	275	41
2841	3027	31	1.74	444	1.45	4.71	0.95	270	54
2842	3028	31	2.16	444	1.49	6.17	1.01	285	46
2843	3029	31	1.82	448	0.77	4.23	0.98	232	53

HC_Shows	HC_Potentia	PI	PC	S2/S3
3.29	22.62	0.145	1.877	27.614
2.86	37.05	0.077	3.075	44.403
2.07	22.93	0.09	1.903	30.676
2.03	8.42	0.241	0.699	8.192
2.69	9.44	0.285	0.784	8.882
2.78	9.29	0.299	0.771	8.346
2.78	12.8	0.217	1.062	12.072
2.25	20.18	0.111	1.675	17.24
1.53	20.45	0.075	1.697	23.358
1.65	31.91	0.052	2.649	38.795
3.22	98.97	0.033	8.215	113.988
3	63.69	0.047	5.286	78.818
1.48	11.36	0.13	0.943	13
1.49	7.81	0.191	0.648	5.448
1.87	15.63	0.12	1.297	12.07
1.58	22.3	0.071	1.851	37.673
3.03	46.96	0.065	3.898	33.28
3.02	54.96	0.055	4.562	41.887
2.12	16.56	0.128	1.374	13.009
3.5	22.42	0.156	1.861	18.192
1.72	18.39	0.094	1.526	15.876
1.6	28.83	0.055	2.393	32.807
2.87	51.28	0.056	4.256	56.953
2.3	31.57	0.073	2.62	34.035
0.83	22.27	0.037	1.848	29.37
1.96	26.7	0.073	2.216	29.106
1.36	30.64	0.044	2.543	39.568
5.68	17.93	0.317	1.488	15.909
1.38	19.61	0.07	1.628	26.42
0.8	40.62	0.02	3.371	58.559
1.03	24.05	0.043	1.996	29.513
0.4	2.57	0.156	0.213	2.192
0.09	0.95	0.095	0.079	0.768
0.17	1.63	0.104	0.135	1.315
0.37	2.64	0.14	0.219	2.415
1.43	7.2	0.199	0.598	7.123
1.46	10.63	0.137	0.882	8.413
2.04	13.06	0.156	1.084	12.382
0.9	9.24	0.097	0.767	8.688
1.26	7.09	0.178	0.588	5.449
1.04	7.15	0.145	0.593	6.57
1.45	6.16	0.235	0.511	4.958
1.49	7.66	0.195	0.636	6.109
0.77	5	0.154	0.415	4.316

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbc	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2844	3030	31	1.57	448	0.86	3.54	0.96	225	61
2845	3031	31	1.91	448	1.28	5.31	1.06	278	55
2846	3032	31	2.11	449	1.36	6.99	0.95	331	45
2847	3033	31	2.36	446	1.31	7.52	1.08	318	45
2848	3034	31	2.92	445	1.36	10.34	1.08	354	36
2849	3035	31	2.53	442	1.5	7.81	1.41	308	55
2850	3036	31	2.26	448	0.65	7.11	1.1	314	48
2851	3037	31	1.93	449	0.66	5.04	1	261	51
2852	3038	31	3.31	449	1.28	15	0.97	453	29
2853	3039	31	3.71	451	0.92	18.99	1.01	511	27
2854	3040	31	1.86	448	0.41	6.63	1.1	356	59
2855	3041	31	2.59	449	0.9	9.6	1	370	38
2856	3042	31	2.39	449	0.78	9.33	1.02	390	42
2857	3043	31	2.79	448	1.61	12.92	0.81	463	29
2858	3044	31	2.27	449	1.32	8.11	0.96	357	42
2859	3045	31	2.51	449	0.58	8.55	1.04	340	41
2860	3046	31	2.8	448	0.62	10.86	1.2	387	42
2861	3047	31	2.38	448	0.51	7.89	1.15	331	48
2862	3048	31	2.74	450	0.76	12.84	0.96	468	35
2863	3049	31	2.61	450	0.83	11.28	0.83	432	31
2864	3050	31	3.57	448	0.85	22.04	0.84	617	23
2865	3051	31	2.3	450	0.91	9.17	1.04	398	45
2866	3052	31	2.18	447	2.17	10.94	0.89	501	40
2867	3053	31	3.74	450	0.74	23.68	0.87	633	23
2868	3054	31	5.78	450	0.84	44.36	0.93	767	16
2869	3055	31	4.89	452	0.72	33.03	1.04	675	21
2870	3056	31	4.4	451	0.75	28.01	0.95	636	21
2871	3057	31	3.23	448	1.13	18.19	0.9	563	27
2872	3058	31	3.41	453	0.7	17.7	0.87	519	25
2873	3059	31	3.78	450	0.65	23.72	1	627	26
2874	3060	31	3.94	450	0.49	25.68	1	651	25
2875	3061	31	2.97	450	0.73	15.26	0.96	513	32
2876	3062	31	3.05	451	0.53	15.35	0.81	503	26
2877	3063	31	3.01	450	0.6	15.63	0.87	519	28
2878	3064	31	2.65	452	0.46	13.16	0.99	496	37
2879	3065	31	2.63	450	0.46	14.27	0.93	542	35
2880	3066	31	1.82	448	0.65	6.19	1.15	340	63
2881	3067	31	2.08	450	0.33	8.38	0.98	402	47
2882	3068	31	2.11	447	0.55	8.4	1.12	398	53
2883	3069	31	2.51	446	0.95	11.52	1	458	39
2884	3070	31	3.25	446	1.88	15.55	0.94	478	28
2885	3071	31	8.35	449	2.18	57.51	0.97	688	11
2886	3072	31	3.8	448	1.42	25.62	1.14	674	30
2887	3073	31	1.94	446	0.85	8.49	1.08	437	55

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.86	4.4	0.195	0.365	3.688
1.28	6.59	0.194	0.547	5.009
1.36	8.35	0.163	0.693	7.358
1.31	8.83	0.148	0.733	6.963
1.36	11.7	0.116	0.971	9.574
1.5	9.31	0.161	0.773	5.539
0.65	7.76	0.084	0.644	6.464
0.66	5.7	0.116	0.473	5.04
1.28	16.28	0.079	1.351	15.464
0.92	19.91	0.046	1.653	18.802
0.41	7.04	0.058	0.584	6.027
0.9	10.5	0.086	0.872	9.6
0.78	10.11	0.077	0.839	9.147
1.61	14.53	0.111	1.206	15.951
1.32	9.43	0.14	0.783	8.448
0.58	9.13	0.064	0.758	8.221
0.62	11.48	0.054	0.953	9.05
0.51	8.4	0.061	0.697	6.861
0.76	13.6	0.056	1.129	13.375
0.83	12.11	0.069	1.005	13.59
0.85	22.89	0.037	1.9	26.238
0.91	10.08	0.09	0.837	8.817
2.17	13.11	0.166	1.088	12.292
0.74	24.42	0.03	2.027	27.218
0.84	45.2	0.019	3.752	47.699
0.72	33.75	0.021	2.801	31.76
0.75	28.76	0.026	2.387	29.484
1.13	19.32	0.058	1.604	20.211
0.7	18.4	0.038	1.527	20.345
0.65	24.37	0.027	2.023	23.72
0.49	26.17	0.019	2.172	25.68
0.73	15.99	0.046	1.327	15.896
0.53	15.88	0.033	1.318	18.951
0.6	16.23	0.037	1.347	17.966
0.46	13.62	0.034	1.13	13.293
0.46	14.73	0.031	1.223	15.344
0.65	6.84	0.095	0.568	5.383
0.33	8.71	0.038	0.723	8.551
0.55	8.95	0.061	0.743	7.5
0.95	12.47	0.076	1.035	11.52
1.88	17.43	0.108	1.447	16.543
2.18	59.69	0.037	4.954	59.289
1.42	27.04	0.053	2.244	22.474
0.85	9.34	0.091	0.775	7.861

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2888	3074	31	0.61	442	0.5	2.12	0.98	347	160
2889	3075	31	0.29	433	0.33	0.65	0.91	224	313
2890	3076	31	0.13	440	0	0.06	0.87	46	669
2891	3077	31	0.11	445	0	0.02	1.22	18	1109
2892	3078	31	0.11	442	0.01	0.05	1.11	45	1009
2893	3079	31	0.12	442	0.01	0.04	1.03	33	858
2894	3080	31	0.17	436	0.03	0.17	1.02	100	600
2895	3081	31	0.01	453	0	0.01	0.36	100	3600
2896	3082	31	0.01	411	0	0.01	0.4	100	4000
2897	3083	31	0.01	415	0	0.15	0.33	1500	3300
2898	3084	31	0.04	428	0	0.04	0.28	100	700
2899	3085	31	0.33	435	0	0.07	0.47	21	142
2900	3086	31	3.05	446	0.1	2.54	0.68	83	22
2901	3087	31	0.02	0	0	0.01	0.37	50	1850
2902	3088	31	0.52	439	0.03	0.14	0.57	26	109
2903	3089	31	0.18	436	0.01	0.04	0.32	22	177
2904	3090	31	0.5	446	0.63	1.98	0.25	396	50
2905	3091	31	1.38	440	0.77	1.96	0.44	142	31
2906	3092	31	0.99	428	1.05	1.81	0.2	182	20
2907	3093	31	1.6	439	0.54	1.98	0.1	123	6
2908	3094	31	0.93	436	0.52	1.4	0.26	150	27
2909	3095	31	0.72	446	0.05	1.33	0.57	184	79
2910	3096	31	3.19	441	3.16	8.64	0.23	270	7
2911	3097	31	1.27	437	0.66	1.94	0.11	152	8
2912	3098	31	0.24	449	0.03	0.08	0.16	33	66
2913	3099	31	0.12	442	0.01	0.08	0.15	66	125
2914	3100	31	0.03	428	0	0.04	0.14	133	466
2915	3101	31	0.05	454	0	0.09	0.15	180	300
2916	3102	31	1.23	440	0.2	0.82	0.1	66	8
2917	3103	31	0.79	437	0.32	1.17	0.43	148	54
2918	3104	31	0.54	404	0.81	1.26	0.23	233	42
2919	3105	31	0.37	437	0.17	0.35	0.24	94	64
2920	3106	31	0.06	433	0.01	0	0.3	0	500
2921	3107	31	0.69	446	0.06	1.24	0.46	179	66
2922	3108	31	0.5	421	0.66	1.03	0.18	206	36
2923	3109	31	0.82	422	2.01	2.59	0.16	315	19
2924	3110	31	0.67	421	1.95	2.29	0.16	341	23
2925	3111	31	0.26	428	0.12	0.18	0.28	69	107
2926	3112	31	0.73	440	0.1	0.24	0.41	32	56
2927	3113	31	0.14	407	0.01	0.07	0.31	50	221
2928	3114	31	0.04	395	0	0.02	0.31	50	775
2929	3115	31	0.03	429	0.02	0.02	0.23	66	766
2930	3116	31	1.58	446	0.16	8.22	0.48	520	30
2931	3117	31	1.36	446	0.23	4.6	0.34	338	25

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.5	2.62	0.191	0.217	2.163
0.33	0.98	0.337	0.081	0.714
0	0.06	0.06	0.005	0.069
0	0.02	0.02	0.002	0.016
0.01	0.06	0.167	0.005	0.045
0.01	0.05	0.2	0.004	0.039
0.03	0.2	0.15	0.017	0.167
0	0.01	0	0.001	0.028
0	0.01	0	0.001	0.025
0	0.15	0	0.012	0.455
0	0.04	0	0.003	0.143
0	0.07	0	0.006	0.149
0.1	2.64	0.038	0.219	3.735
0	0.01	0	0.001	0.027
0.03	0.17	0.176	0.014	0.246
0.01	0.05	0.2	0.004	0.125
0.63	2.61	0.241	0.217	7.92
0.77	2.73	0.282	0.227	4.455
1.05	2.86	0.367	0.237	9.05
0.54	2.52	0.214	0.209	19.8
0.52	1.92	0.271	0.159	5.385
0.05	1.38	0.036	0.115	2.333
3.16	11.8	0.268	0.979	37.565
0.66	2.6	0.254	0.216	17.636
0.03	0.11	0.273	0.009	0.5
0.01	0.09	0.111	0.007	0.533
0	0.04	0	0.003	0.286
0	0.09	0	0.007	0.6
0.2	1.02	0.196	0.085	8.2
0.32	1.49	0.215	0.124	2.721
0.81	2.07	0.391	0.172	5.478
0.17	0.52	0.327	0.043	1.458
0.01	0.01	1	0.001	0
0.06	1.3	0.046	0.108	2.696
0.66	1.69	0.391	0.14	5.722
2.01	4.6	0.437	0.382	16.188
1.95	4.24	0.46	0.352	14.312
0.12	0.3	0.4	0.025	0.643
0.1	0.34	0.294	0.028	0.585
0.01	0.08	0.125	0.007	0.226
0	0.02	0	0.002	0.065
0.02	0.04	0.5	0.003	0.087
0.16	8.38	0.019	0.696	17.125
0.23	4.83	0.048	0.401	13.529

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2932	3118	31	0.69	440	0.02	0.33	0.34	47	49
2933	3119	31	0.48	440	0.01	0.16	0.52	33	108
2934	3120	31	0.38	431	0.02	0.07	0.28	18	73
2935	3121	31	1.56	443	0.1	0.83	0.14	53	8
2936	3122	31	0.83	442	0.04	0.33	0.28	39	33
2937	3123	31	0.16	436	0	0.06	0.18	37	112
2938	3124	31	0.01	397	0	0.01	0.14	100	1400
2939	3125	31	0.08	413	0	0.01	0.27	12	337
2940	3126	31	0.21	437	0.01	0.05	0.27	23	128
2941	3127	31	0.17	432	0	0.02	0.33	11	194
2942	3128	31	0.28	436	0	0.04	0.32	14	114
2943	3129	31	0.32	440	0	0.07	0.31	21	96
2944	3130	31	0.29	440	0	0.05	0.35	17	120
2945	3131	31	0.39	440	0.01	0.18	0.39	46	100
2946	3132	31	0.45	443	0.01	0.33	0.31	73	68
2947	3133	31	1.07	443	0.15	3.04	0.27	284	25
2948	3134	31	0.79	442	0.11	1.83	0.3	231	37
2949	3135	31	1.04	446	0.24	3.51	0.21	337	20
2950	3136	31	1.05	442	0.23	3.22	0.32	306	30
2951	3137	31	0.51	439	0.03	0.45	0.36	88	70
2952	3138	31	0.06	442	0	0.05	0.36	83	600
2953	3139	31	0.18	408	0.01	0.06	0.32	33	177
2954	3140	31	0.44	451	0.02	1.02	0.33	231	75
2955	3141	31	1.02	445	0.1	2.19	0.28	214	27
2956	3142	31	1.78	446	0.34	8.01	0.25	450	14
2957	3143	31	3.44	446	0.93	21.18	0.33	615	9
2958	3144	31	0.48	448	0.05	0.54	0.46	112	95
2959	3145	31	1.46	449	0.22	7.34	0.39	502	26
2960	3146	31	1.73	450	0.3	7.94	0.28	458	16
2961	3147	31	1.2	441	0.25	3.22	0.31	268	25
2962	3148	31	0.82	442	0.11	1.55	0.36	189	43
2963	3149	31	1.26	445	0.26	4.6	0.42	365	33
2964	3150	31	1.44	446	0.57	7.62	0.4	529	27
2965	3151	31	0.25	442	0.03	0.35	0.39	140	156
2966	3152	31	0.37	440	0.03	0.34	0.42	91	113
2967	3153	31	0.43	438	0.03	0.55	0.44	127	102
2968	3154	31	0.45	442	0.03	0.33	0.31	73	68
2969	3155	31	0.3	440	0.03	0.58	0.41	193	136
2970	3156	31	0.31	441	0.05	0.62	0.38	200	122
2971	3157	31	1.65	447	1.06	8.85	0.41	536	24
2972	3158	31	4.05	447	2.88	27.22	0.41	672	10
2973	3159	31	1.85	447	0.96	8.14	0.41	440	22
2974	3160	31	1.49	447	0.66	6.97	0.47	467	31
2975	3161	31	0.68	447	0.13	1.53	0.46	225	67

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.02	0.35	0.057	0.029	0.971
0.01	0.17	0.059	0.014	0.308
0.02	0.09	0.222	0.007	0.25
0.1	0.93	0.108	0.077	5.929
0.04	0.37	0.108	0.031	1.179
0	0.06	0	0.005	0.333
0	0.01	0	0.001	0.071
0	0.01	0	0.001	0.037
0.01	0.06	0.167	0.005	0.185
0	0.02	0	0.002	0.061
0	0.04	0	0.003	0.125
0	0.07	0	0.006	0.226
0	0.05	0	0.004	0.143
0.01	0.19	0.053	0.016	0.462
0.01	0.34	0.029	0.028	1.065
0.15	3.19	0.047	0.265	11.259
0.11	1.94	0.057	0.161	6.1
0.24	3.75	0.064	0.311	16.714
0.23	3.45	0.067	0.286	10.062
0.03	0.48	0.062	0.04	1.25
0	0.05	0	0.004	0.139
0.01	0.07	0.143	0.006	0.188
0.02	1.04	0.019	0.086	3.091
0.1	2.29	0.044	0.19	7.821
0.34	8.35	0.041	0.693	32.04
0.93	22.11	0.042	1.835	64.182
0.05	0.59	0.085	0.049	1.174
0.22	7.56	0.029	0.627	18.821
0.3	8.24	0.036	0.684	28.357
0.25	3.47	0.072	0.288	10.387
0.11	1.66	0.066	0.138	4.306
0.26	4.86	0.053	0.403	10.952
0.57	8.19	0.07	0.68	19.05
0.03	0.38	0.079	0.032	0.897
0.03	0.37	0.081	0.031	0.81
0.03	0.58	0.052	0.048	1.25
0.03	0.36	0.083	0.03	1.065
0.03	0.61	0.049	0.051	1.415
0.05	0.67	0.075	0.056	1.632
1.06	9.91	0.107	0.823	21.585
2.88	30.1	0.096	2.498	66.39
0.96	9.1	0.105	0.755	19.854
0.66	7.63	0.087	0.633	14.83
0.13	1.66	0.078	0.138	3.326

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
2976	3162	31	0.74	444	0.13	1.63	0.47	220	63
2977	3163	31	0.26	440	0.03	0.38	0.51	146	196
2978	3164	31	0.44	443	0.03	0.63	0.56	143	127
2979	3165	31	0.18	440	0.01	0.07	0.61	38	338
2980	3166	31	0.22	442	0.01	0.12	0.58	54	263
2981	3167	31	0.22	440	0.01	0.17	0.68	77	309
2982	3168	31	1.41	447	0.41	6.21	0.58	440	41
2983	3169	31	3.38	449	1.76	22.51	0.55	665	16
2984	3170	31	1.6	448	0.59	7.8	0.6	487	37
2985	3171	31	3.56	447	1.97	23.44	0.49	658	13
2986	3172	31	1.32	449	0.42	5.88	0.49	445	37
2987	3173	31	2.27	447	1.53	12.8	0.55	563	24
2988	3174	31	2.86	448	1.78	19.35	0.58	676	20
2989	3175	31	1.29	452	0.49	6.55	0.66	507	51
2990	3176	31	1.34	446	0.68	5.8	0.5	432	37
2991	3177	31	3.42	441	3.13	19.45	0.55	568	16
2992	3178	31	3.36	442	3.55	19.18	0.43	570	12
2993	3179	31	2.37	442	2.65	11.69	0.43	493	18
2994	3180	31	2.62	447	2.1	14.13	0.48	539	18
2995	3181	31	2.12	446	1.39	11.19	0.49	527	23
2996	3182	31	0.61	446	0.1	0.46	0.51	75	83
2997	3183	31	0.07	449	0.01	0.03	0.52	42	742
2998	3184	31	0.01	414	0	0.01	0.34	100	3400
2999	3185	31	1.85	449	0.82	9.48	0.65	512	35
3000	3186	31	2.13	448	0.98	10.82	0.49	507	23
3001	3187	31	1.25	442	0.48	3.55	0.37	284	29
3002	3188	31	0.62	444	0.1	0.72	0.56	116	90
3003	3189	31	0.37	446	0.04	0.2	0.67	54	181
3004	3190	31	0.13	448	0.01	0.03	0.45	23	346
3005	3191	31	0.12	433	0.01	0.07	0.59	58	491
3006	3192	31	1.49	446	0.33	5.25	0.5	352	33
3007	3193	31	2.21	446	0.72	9.94	0.51	449	23
3008	3194	31	0.81	443	0.28	1.36	0.23	167	28
3009	3195	31	0.99	445	0.25	2.53	0.6	255	60
3010	3196	31	2.82	448	2.06	17.64	0.48	625	17
3011	3197	31	3.6	449	2.01	24.07	0.4	668	11
3012	3198	31	3.22	449	1.82	20.21	0.45	627	13
3013	3199	31	3.33	449	1.92	21.73	0.46	652	13
3014	3200	31	2.33	447	1.57	13.2	0.58	566	24
3015	3201	31	1.79	446	1.13	8.59	0.57	479	31
3016	3202	31	1.51	445	0.83	6.59	0.6	436	39
3017	3203	31	1.1	443	0.45	3.57	0.5	324	45
3018	3204	31	0.03	395	0	0.07	0.47	233	1566
3019	3205	31	0.13	444	0.02	0.14	0.43	107	330

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.13	1.76	0.074	0.146	3.468
0.03	0.41	0.073	0.034	0.745
0.03	0.66	0.045	0.055	1.125
0.01	0.08	0.125	0.007	0.115
0.01	0.13	0.077	0.011	0.207
0.01	0.18	0.056	0.015	0.25
0.41	6.62	0.062	0.549	10.707
1.76	24.27	0.073	2.014	40.927
0.59	8.39	0.07	0.696	13
1.97	25.41	0.078	2.109	47.837
0.42	6.3	0.067	0.523	12
1.53	14.33	0.107	1.189	23.273
1.78	21.13	0.084	1.754	33.362
0.49	7.04	0.07	0.584	9.924
0.68	6.48	0.105	0.538	11.6
3.13	22.58	0.139	1.874	35.364
3.55	22.73	0.156	1.887	44.605
2.65	14.34	0.185	1.19	27.186
2.1	16.23	0.129	1.347	29.438
1.39	12.58	0.11	1.044	22.837
0.1	0.56	0.179	0.046	0.902
0.01	0.04	0.25	0.003	0.058
0	0.01	0	0.001	0.029
0.82	10.3	0.08	0.855	14.585
0.98	11.8	0.083	0.979	22.082
0.48	4.03	0.119	0.334	9.595
0.1	0.82	0.122	0.068	1.286
0.04	0.24	0.167	0.02	0.299
0.01	0.04	0.25	0.003	0.067
0.01	0.08	0.125	0.007	0.119
0.33	5.58	0.059	0.463	10.5
0.72	10.66	0.068	0.885	19.49
0.28	1.64	0.171	0.136	5.913
0.25	2.78	0.09	0.231	4.217
2.06	19.7	0.105	1.635	36.75
2.01	26.08	0.077	2.165	60.175
1.82	22.03	0.083	1.828	44.911
1.92	23.65	0.081	1.963	47.239
1.57	14.77	0.106	1.226	22.759
1.13	9.72	0.116	0.807	15.07
0.83	7.42	0.112	0.616	10.983
0.45	4.02	0.112	0.334	7.14
0	0.07	0	0.006	0.149
0.02	0.16	0.125	0.013	0.326

Dh_Rock	Dh_Sample_Id	Refe	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3020	3206	31	1.02	446	0.35	2.43	0.41	238	40
3021	3207	31	1.3	445	0.47	3.66	0.42	281	32
3022	3208	31	0.55	447	0.16	1.18	0.5	214	90
3023	3209	31	0.08	447	0.01	0.09	0.36	112	450
3024	3210	31	0.89	445	0.82	2.84	0.5	319	56
3025	3211	31	0.89	447	1.13	3.3	0.47	370	52
3026	3212	31	0.81	444	0.46	1.99	0.52	245	64
3027	3213	31	0.11	429	0.3	0.26	0.32	236	290
3028	3214	31	0.36	443	0.08	0.37	0.52	102	144
3029	3215	31	1.67	444	0.86	5.57	0.69	333	41
3030	3216	31	1.41	447	0.91	5.17	0.67	367	48
3031	3217	31	0.8	444	0.34	1.7	0.66	213	83
3032	3218	31	0.8	444	0.34	1.7	0.66	213	83
3033	3219	31	0.72	446	0.11	1.16	0.64	161	89
3034	3220	31	0.8	444	0.34	1.7	0.66	213	83
3035	3221	31	1.07	445	0.34	2.5	0.38	234	36
3036	3222	31	2.62	449	1.43	11.83	0.33	452	13
3037	3223	31	3.03	447	1.99	16.4	0.53	542	17
3038	3224	31	2.78	449	1.86	15.26	0.41	549	15
3039	3225	31	2.28	446	1.37	11.02	0.64	483	28
3040	3226	31	1.67	447	1.22	7.22	0.58	432	35
3041	3227	31	2.21	449	1.64	12.11	0.43	548	19
3042	3228	31	2.24	449	1.57	12.12	0.54	541	24
3043	3229	31	3.95	449	2.48	26.26	0.67	665	17
3044	3230	31	3.88	452	2.35	25.84	0.47	666	12
3045	3231	31	1.75	446	0.89	6.96	0.88	398	50
3046	3232	31	1.77	448	0.88	6.92	0.58	391	33
3047	3233	31	0.96	449	0.63	9.79	0.78	1020	81
3048	3234	31	2.17	450	0.58	10.63	0.51	490	24
3049	3235	31	0.96	449	0.63	9.79	0.78	1020	81
3050	3236	31	3.63	449	0.99	24.39	0.56	672	15
3051	3237	31	1.93	448	1.22	13.06	0.9	677	47
3052	3238	31	1.79	446	1.11	11.66	0.62	651	35
3053	3239	31	1.77	443	1	5.94	0.8	336	45
3054	3240	31	2.25	447	1.29	10.01	0.6	445	27
3055	3241	31	1.77	445	0.78	7.6	0.56	429	32
3056	3242	31	0.75	445	0.58	2.25	0.5	300	67
3057	3243	31	2.36	447	1.35	10.36	0.44	439	19
3058	3244	31	2.22	446	1.07	10.52	0.68	474	31
3059	3245	31	2.43	449	1.38	12.97	0.59	534	24
3060	3246	31	2.57	447	1.84	14.18	0.59	552	23
3061	3247	31	3.28	449	1.44	20.23	0.67	617	20
3062	3248	31	3.42	445	1.98	22.6	0.7	661	20
3063	3249	31	5.07	450	2.11	36.95	0.62	729	12

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.35	2.78	0.126	0.231	5.927
0.47	4.13	0.114	0.343	8.714
0.16	1.34	0.119	0.111	2.36
0.01	0.1	0.1	0.008	0.25
0.82	3.66	0.224	0.304	5.68
1.13	4.43	0.255	0.368	7.021
0.46	2.45	0.188	0.203	3.827
0.3	0.56	0.536	0.046	0.812
0.08	0.45	0.178	0.037	0.712
0.86	6.43	0.134	0.534	8.072
0.91	6.08	0.15	0.505	7.716
0.34	2.04	0.167	0.169	2.576
0.34	2.04	0.167	0.169	2.576
0.11	1.27	0.087	0.105	1.812
0.34	2.04	0.167	0.169	2.576
0.34	2.84	0.12	0.236	6.579
1.43	13.26	0.108	1.101	35.848
1.99	18.39	0.108	1.526	30.943
1.86	17.12	0.109	1.421	37.22
1.37	12.39	0.111	1.028	17.219
1.22	8.44	0.145	0.701	12.448
1.64	13.75	0.119	1.141	28.163
1.57	13.69	0.115	1.136	22.444
2.48	28.74	0.086	2.385	39.194
2.35	28.19	0.083	2.34	54.979
0.89	7.85	0.113	0.652	7.909
0.88	7.8	0.113	0.647	11.931
0.63	10.42	0.06	0.865	12.551
0.58	11.21	0.052	0.93	20.843
0.63	10.42	0.06	0.865	12.551
0.99	25.38	0.039	2.107	43.554
1.22	14.28	0.085	1.185	14.511
1.11	12.77	0.087	1.06	18.806
1	6.94	0.144	0.576	7.425
1.29	11.3	0.114	0.938	16.683
0.78	8.38	0.093	0.696	13.571
0.58	2.83	0.205	0.235	4.5
1.35	11.71	0.115	0.972	23.545
1.07	11.59	0.092	0.962	15.471
1.38	14.35	0.096	1.191	21.983
1.84	16.02	0.115	1.33	24.034
1.44	21.67	0.066	1.799	30.194
1.98	24.58	0.081	2.04	32.286
2.11	39.06	0.054	3.242	59.597

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3064	3250	31	3.69	447	2.08	25.64	0.69	695	19
3065	3251	31	1.74	448	2.93	9.08	0.66	522	38
3066	3252	31	2.01	448	3.31	9.18	0.54	457	27
3067	3253	31	2.68	446	3.62	12.62	0.5	471	19
3068	3254	31	1.31	440	4.07	5.28	0.48	403	37
3069	3255	31	5.69	450	2.14	40.96	0.48	720	8
3070	3256	31	5.5	449	2.62	37.36	0.73	680	13
3071	3257	31	2.78	449	3.79	17.31	0.48	623	17
3072	3258	31	6.74	452	2.34	52.12	0.54	774	8
3073	3259	31	5.4	447	3.03	33.75	0.56	625	10
3074	3260	31	3.98	446	3.38	24.74	0.52	622	13
3075	3261	31	5.14	447	3.62	38.53	0.52	750	10
3076	3262	31	6.34	449	3.86	48.81	0.48	770	8
3077	3263	31	5.04	448	3.49	39.62	0.47	786	9
3078	3264	31	4	451	1.98	24.97	0.48	625	12
3079	3265	31	4.77	450	2.05	33.59	0.59	705	12
3080	3266	31	5.04	449	3.18	35.62	0.68	707	13
3081	3267	31	4.26	450	3.35	31.9	0.5	749	12
3082	3268	31	5.28	450	3.01	38.44	0.56	728	11
3083	3269	31	4.89	450	2.63	32.53	0.59	666	12
3084	3270	31	5.64	449	2.71	39.47	0.57	700	10
3085	3271	31	4.66	450	2.74	28.62	0.69	615	15
3086	3272	31	12.68	451	2.96	110.59	0.62	873	5
3087	3273	31	9.83	449	2.54	78.29	0.56	797	6
3088	3274	31	9.11	450	2.58	68.5	0.52	752	6
3089	3275	31	6.92	450	1.85	46.13	0.67	667	10
3090	3276	31	8.56	450	1.71	70.4	0.67	823	8
3091	3277	31	6.29	449	2.02	43.83	0.69	697	11
3092	3278	31	5	447	1.98	36.41	0.59	729	12
3093	3279	31	2.83	450	1.07	19.47	0.5	688	18
3094	3280	31	1.51	443	1.21	8.09	0.6	536	40
3095	3281	31	0.38	444	0.31	1.8	0.49	474	129
3096	3282	31	0.23	440	0.11	0.73	0.62	317	270
3097	3283	31	0.35	442	0.2	1.22	0.78	349	223
3098	3284	31	0.98	444	0.68	4.03	0.76	411	78
3099	3285	31	1.26	443	0.96	5.43	0.8	431	63
3100	3286	31	1.11	442	1.13	3.78	0.77	341	69
3101	3287	31	3.2	445	3.6	17.5	0.68	547	21
3102	3288	31	1.02	441	0.99	2.58	0.76	253	75
3103	3289	31	1.24	445	1.04	4.09	0.79	330	64
3104	3290	31	2.02	445	2.29	9	0.76	446	38
3105	3291	31	1.82	446	1.92	9.47	0.71	520	39
3106	3292	31	2.32	449	2.6	13.31	0.73	574	31
3107	3293	31	1.41	445	1.34	5.77	0.82	409	58

HC_Shows	HC_Potentia	PI	PC	S2/S3
2.08	27.72	0.075	2.301	37.159
2.93	12.01	0.244	0.997	13.758
3.31	12.49	0.265	1.037	17
3.62	16.24	0.223	1.348	25.24
4.07	9.35	0.435	0.776	11
2.14	43.1	0.05	3.577	85.333
2.62	39.98	0.066	3.318	51.178
3.79	21.1	0.18	1.751	36.062
2.34	54.46	0.043	4.52	96.519
3.03	36.78	0.082	3.053	60.268
3.38	28.12	0.12	2.334	47.577
3.62	42.15	0.086	3.498	74.096
3.86	52.67	0.073	4.372	101.688
3.49	43.11	0.081	3.578	84.298
1.98	26.95	0.073	2.237	52.021
2.05	35.64	0.058	2.958	56.932
3.18	38.8	0.082	3.22	52.382
3.35	35.25	0.095	2.926	63.8
3.01	41.45	0.073	3.44	68.643
2.63	35.16	0.075	2.918	55.136
2.71	42.18	0.064	3.501	69.246
2.74	31.36	0.087	2.603	41.478
2.96	113.55	0.026	9.425	178.371
2.54	80.83	0.031	6.709	139.804
2.58	71.08	0.036	5.9	131.731
1.85	47.98	0.039	3.982	68.851
1.71	72.11	0.024	5.985	105.075
2.02	45.85	0.044	3.806	63.522
1.98	38.39	0.052	3.186	61.712
1.07	20.54	0.052	1.705	38.94
1.21	9.3	0.13	0.772	13.483
0.31	2.11	0.147	0.175	3.673
0.11	0.84	0.131	0.07	1.177
0.2	1.42	0.141	0.118	1.564
0.68	4.71	0.144	0.391	5.303
0.96	6.39	0.15	0.53	6.788
1.13	4.91	0.23	0.408	4.909
3.6	21.1	0.171	1.751	25.735
0.99	3.57	0.277	0.296	3.395
1.04	5.13	0.203	0.426	5.177
2.29	11.29	0.203	0.937	11.842
1.92	11.39	0.169	0.945	13.338
2.6	15.91	0.163	1.321	18.233
1.34	7.11	0.188	0.59	7.037

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3108	3294	31	0.66	444	0.62	2.43	0.88	368	133
3109	3295	31	1.09	438	1.86	5.31	0.89	487	82
3110	3296	31	2.64	442	5.58	12.16	0.84	461	32
3111	3297	31	5.88	444	7.44	37.83	0.81	644	14
3112	3298	31	2.71	446	3.94	12.97	0.81	479	30
3113	3299	31	2.52	447	2.78	12.72	0.83	505	33
3114	3300	31	3.68	446	3.29	19.92	0.94	542	26
3115	3301	31	5.32	446	4.28	32.02	0.81	602	15
3116	3302	31	4.42	445	4.12	21.41	0.78	485	18
3117	3303	31	5.79	444	4.27	31.63	1.07	547	18
3118	3304	31	5.78	449	4.88	33.21	1.11	575	19
3119	3305	31	4.2	443	5.96	21.76	1	519	24
3120	3306	31	3.32	444	4.92	16	1.12	482	34
3121	3307	31	3.12	442	4.98	13.98	1.01	448	32
3122	3308	31	3.76	446	5.36	17.66	1	470	27
3123	3309	31	4.32	441	6.04	19.43	1.09	450	25
3124	3310	31	3.45	443	4.58	14.29	1.04	415	30
3125	3311	31	3.33	443	4.05	14.9	0.94	448	28
3126	3312	31	3.32	445	4.9	14.66	0.84	442	25
3127	3313	31	2.35	440	5.72	9.43	0.86	402	37
3128	3314	31	3.65	448	5.26	18.97	0.86	520	24
3129	3315	31	2.88	443	5.43	13.85	0.84	481	29
3130	3316	31	2.45	446	5.31	11.81	0.71	482	29
3131	3317	31	3.41	436	6.81	15.57	0.93	457	27
3132	3318	31	1.71	445	3.35	6.21	0.92	363	54
3133	3319	31	1.41	444	2.58	4.73	0.9	335	64
3134	3320	31	1.69	440	3.48	4.91	0.85	291	50
3135	3321	31	1.37	437	4.48	5.87	0.89	428	65
3136	3322	31	1.19	430	4.26	4.6	0.72	387	61
3137	3323	31	0.89	442	2.36	3.02	0.83	339	93
3138	3324	31	0.7	446	1.1	2.18	0.79	311	113
3139	3325	31	0.86	443	1.51	2.57	0.9	299	105
3140	3326	31	0.96	441	1.88	2.79	0.98	291	102
3141	3327	31	1.16	442	3.29	4.04	0.86	348	74
3142	3328	31	1.29	442	2.8	3	0.8	233	62
3143	3329	31	0.94	443	1.84	3.11	0.9	331	96
3144	3330	31	0.92	445	1.24	1.75	1.09	190	118
3145	3331	31	1.01	443	1.97	3.46	0.98	343	97
3146	3332	31	1.24	442	2.01	3.81	0.95	307	77
3147	3333	31	0.99	442	2.28	3.34	0.88	337	89
3148	3334	31	1.07	440	2.44	4.16	0.96	389	90
3149	3335	31	0.56	444	2.83	3.82	0.9	682	161
3150	3336	31	1.39	442	3.29	4.7	1.1	338	79
3151	3337	31	0.56	444	2.83	3.82	0.9	682	161

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.62	3.05	0.203	0.253	2.761
1.86	7.17	0.259	0.595	5.966
5.58	17.74	0.315	1.472	14.476
7.44	45.27	0.164	3.757	46.704
3.94	16.91	0.233	1.404	16.012
2.78	15.5	0.179	1.286	15.325
3.29	23.21	0.142	1.926	21.191
4.28	36.3	0.118	3.013	39.531
4.12	25.53	0.161	2.119	27.449
4.27	35.9	0.119	2.98	29.561
4.88	38.09	0.128	3.161	29.919
5.96	27.72	0.215	2.301	21.76
4.92	20.92	0.235	1.736	14.286
4.98	18.96	0.263	1.574	13.842
5.36	23.02	0.233	1.911	17.66
6.04	25.47	0.237	2.114	17.826
4.58	18.87	0.243	1.566	13.74
4.05	18.95	0.214	1.573	15.851
4.9	19.56	0.251	1.623	17.452
5.72	15.15	0.378	1.257	10.965
5.26	24.23	0.217	2.011	22.058
5.43	19.28	0.282	1.6	16.488
5.31	17.12	0.31	1.421	16.634
6.81	22.38	0.304	1.858	16.742
3.35	9.56	0.35	0.793	6.75
2.58	7.31	0.353	0.607	5.256
3.48	8.39	0.415	0.696	5.776
4.48	10.35	0.433	0.859	6.596
4.26	8.86	0.481	0.735	6.389
2.36	5.38	0.439	0.447	3.639
1.1	3.28	0.335	0.272	2.759
1.51	4.08	0.37	0.339	2.856
1.88	4.67	0.403	0.388	2.847
3.29	7.33	0.449	0.608	4.698
2.8	5.8	0.483	0.481	3.75
1.84	4.95	0.372	0.411	3.456
1.24	2.99	0.415	0.248	1.606
1.97	5.43	0.363	0.451	3.531
2.01	5.82	0.345	0.483	4.011
2.28	5.62	0.406	0.466	3.795
2.44	6.6	0.37	0.548	4.333
2.83	6.65	0.426	0.552	4.244
3.29	7.99	0.412	0.663	4.273
2.83	6.65	0.426	0.552	4.244

Dh_RockI	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3152	3338	31	1.39	442	3.29	4.7	1.1	338	79
3153	3339	31	6.65	447	3.3	38.19	0.27	575	4
3154	3340	31	4.95	445	4.07	25.87	0.92	523	19
3155	3341	31	4.85	445	4.86	25.32	0.8	523	16
3156	3342	31	3.13	437	4.69	12.53	0.97	401	31
3157	3343	31	2.81	441	4.26	12.15	0.94	433	33
3158	3344	31	3.62	439	4.56	15.5	0.85	429	23
3159	3345	31	3.74	439	4.75	17.66	0.96	473	26
3160	3346	31	3	443	4.4	13.22	0.92	441	31
3161	3347	31	3.31	441	5.25	14.75	0.85	446	26
3162	3348	31	3.5	440	5.34	14.98	0.74	429	21
3163	3349	31	4.18	442	5.14	18.69	0.81	448	19
3164	3350	31	5.92	447	3.4	30.57	0.87	517	15
3165	3351	31	4.61	437	5.8	21.95	0.96	477	21
3166	3352	31	4.2	439	6.52	20.37	0.76	486	18
3167	3353	31	4.04	436	5.48	16.79	1.06	416	26
3168	3354	31	4.19	438	6.52	18.89	0.88	451	21
3169	3355	31	4.45	440	6.12	20.39	0.79	459	18
3170	3356	31	4.36	439	7.12	20.42	0.77	469	18
3171	3357	31	3.85	441	5.55	16.74	0.63	435	16
3172	3358	31	2.43	444	3.32	10.21	0.7	421	29
3173	3359	31	2.28	443	3.07	8.25	0.77	362	34
3174	3360	31	2.38	438	2.94	9.2	0.71	387	30
3175	3361	31	4.58	446	3.58	20.24	0.77	443	17
3176	3362	31	2.84	439	3.89	11.48	0.8	405	28
3177	3363	31	3.77	444	4.32	17.39	0.63	462	17
3178	3364	31	2.53	444	4.23	9.87	0.71	390	28
3179	3365	31	2.36	446	2.97	7.92	0.73	336	31
3180	3366	31	1.56	436	2.56	3.28	0.82	210	53
3181	3367	31	1.83	442	2.15	5.2	0.71	284	39
3182	3368	31	1.58	432	3.31	4.06	0.66	257	42
3183	3369	31	0.71	446	2.36	6.01	0.67	846	94
3184	3370	31	1.95	444	2.43	6	0.8	309	41
3185	3371	31	0.71	446	2.36	6.01	0.67	846	94
3186	3372	31	1.8	444	2.31	4.79	0.72	267	40
3187	3373	31	1.99	441	1.46	5.98	0.7	301	35
3188	3374	31	1.29	442	1.95	2.85	0.76	221	59
3189	3375	31	1.25	447	1.63	3.36	0.51	269	41
3190	3376	31	0.88	449	0.89	1.32	0.58	150	66
3191	3377	31	0.88	447	0.68	1.34	0.47	152	53
3192	3378	31	1.4	440	0.87	3	0.51	214	36
3193	3379	31	1.04	439	0.8	2.16	0.45	208	43
3194	3380	31	0.45	449	0.29	0.73	0.45	162	100
3195	3381	31	0.83	449	0.65	1.39	0.5	167	60

HC_Shows	HC_Potentia	PI	PC	S2/S3
3.29	7.99	0.412	0.663	4.273
3.3	41.49	0.08	3.444	141.444
4.07	29.94	0.136	2.485	28.12
4.86	30.18	0.161	2.505	31.65
4.69	17.22	0.272	1.429	12.918
4.26	16.41	0.26	1.362	12.926
4.56	20.06	0.227	1.665	18.235
4.75	22.41	0.212	1.86	18.396
4.4	17.62	0.25	1.462	14.37
5.25	20	0.262	1.66	17.353
5.34	20.32	0.263	1.687	20.243
5.14	23.83	0.216	1.978	23.074
3.4	33.97	0.1	2.82	35.138
5.8	27.75	0.209	2.303	22.865
6.52	26.89	0.242	2.232	26.803
5.48	22.27	0.246	1.848	15.84
6.52	25.41	0.257	2.109	21.466
6.12	26.51	0.231	2.2	25.81
7.12	27.54	0.259	2.286	26.519
5.55	22.29	0.249	1.85	26.571
3.32	13.53	0.245	1.123	14.586
3.07	11.32	0.271	0.94	10.714
2.94	12.14	0.242	1.008	12.958
3.58	23.82	0.15	1.977	26.286
3.89	15.37	0.253	1.276	14.35
4.32	21.71	0.199	1.802	27.603
4.23	14.1	0.3	1.17	13.901
2.97	10.89	0.273	0.904	10.849
2.56	5.84	0.438	0.485	4
2.15	7.35	0.293	0.61	7.324
3.31	7.37	0.449	0.612	6.152
2.36	8.37	0.282	0.695	8.97
2.43	8.43	0.288	0.7	7.5
2.36	8.37	0.282	0.695	8.97
2.31	7.1	0.325	0.589	6.653
1.46	7.44	0.196	0.618	8.543
1.95	4.8	0.406	0.398	3.75
1.63	4.99	0.327	0.414	6.588
0.89	2.21	0.403	0.183	2.276
0.68	2.02	0.337	0.168	2.851
0.87	3.87	0.225	0.321	5.882
0.8	2.96	0.27	0.246	4.8
0.29	1.02	0.284	0.085	1.622
0.65	2.04	0.319	0.169	2.78

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3196	3382	31	0.9	446	0.65	1.15	0.56	128	62
3197	3383	31	0.77	450	0.49	1.08	1.03	140	134
3198	3384	31	0.69	446	0.39	0.77	0.96	112	139
3199	3385	31	1.04	449	0.7	1.45	0.64	139	62
3200	3386	31	0.95	443	0.79	1.88	0.63	198	66
3201	3387	31	1.06	449	1.06	2.23	0.48	210	45
3202	3388	31	1.06	447	0.82	1.83	0.57	173	54
3203	3389	31	1.13	449	0.87	1.8	0.41	159	36
3204	3390	31	1.3	445	2.15	2.38	0.57	183	44
3205	3391	31	1.61	442	2.87	4.33	0.47	269	29
3206	3392	31	2.18	445	2.58	6.42	0.58	294	27
3207	3393	31	2.26	445	2.37	6.56	0.64	291	28
3208	3394	31	2.08	441	2.4	5.03	0.7	242	34
3209	3395	31	2.38	448	2.57	8	0.61	337	26
3210	3396	31	2.29	446	2.43	6.2	0.73	271	32
3211	3397	31	2.95	442	3.88	11.1	0.61	377	21
3212	3398	31	2.74	445	3.88	9.36	0.64	342	23
3213	3399	31	3.56	448	3.65	12.21	0.56	344	16
3214	3400	31	4.69	443	3.7	18.32	0.66	391	14
3215	3401	31	3.4	449	2.91	12.21	0.55	360	16
3216	3402	31	4.06	446	3.43	11.84	0.57	292	14
3217	3403	31	3.99	449	3.17	11.62	0.7	292	18
3218	3404	31	2.42	442	2.08	5.03	0.58	208	24
3219	3405	31	1.99	444	1.49	4.4	0.65	222	33
3220	3406	31	4.17	449	2.28	12.08	0.67	291	16
3221	3407	31	4.6	444	2.52	13.08	0.62	285	13
3222	3408	31	0.66	449	1.87	5.84	0.66	885	100
3223	3409	31	2.42	449	1.69	5.72	0.76	238	31
3224	3410	31	2.64	448	2.03	6.95	0.94	264	36
3225	3411	31	2.44	444	1.78	6.23	0.7	256	29
3226	3412	31	1.95	447	1.97	5.29	0.6	272	31
3227	3413	31	1.99	444	2.2	5.35	0.72	269	36
3228	3414	31	2.67	439	4.58	8.92	0.69	334	26
3229	3415	31	2.13	438	3.97	7.62	0.81	358	38
3230	3416	31	2.41	442	2.62	7.69	0.63	320	26
3231	3417	31	3.13	449	1.79	10.81	0.61	346	19
3232	3418	31	5.31	447	1.93	20.23	0.62	382	12
3233	3419	31	4.41	444	3.21	13.52	0.66	307	15
3234	3420	31	6.34	448	3.11	23.19	0.5	367	8
3235	3421	31	3.51	444	2.34	8.67	0.67	248	19
3236	3422	31	3.21	447	1.64	7.14	0.54	223	17
3237	3423	31	2.18	443	1.22	5.06	0.61	233	28
3238	3424	31	2.24	450	1.17	5.21	0.52	233	23
3239	3425	31	1.81	445	1.51	3.94	0.72	218	40

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.65	1.8	0.361	0.149	2.054
0.49	1.57	0.312	0.13	1.049
0.39	1.16	0.336	0.096	0.802
0.7	2.15	0.326	0.178	2.266
0.79	2.67	0.296	0.222	2.984
1.06	3.29	0.322	0.273	4.646
0.82	2.65	0.309	0.22	3.211
0.87	2.67	0.326	0.222	4.39
2.15	4.53	0.475	0.376	4.175
2.87	7.2	0.399	0.598	9.213
2.58	9	0.287	0.747	11.069
2.37	8.93	0.265	0.741	10.25
2.4	7.43	0.323	0.617	7.186
2.57	10.57	0.243	0.877	13.115
2.43	8.63	0.282	0.716	8.493
3.88	14.98	0.259	1.243	18.197
3.88	13.24	0.293	1.099	14.625
3.65	15.86	0.23	1.316	21.804
3.7	22.02	0.168	1.828	27.758
2.91	15.12	0.192	1.255	22.2
3.43	15.27	0.225	1.267	20.772
3.17	14.79	0.214	1.228	16.6
2.08	7.11	0.293	0.59	8.672
1.49	5.89	0.253	0.489	6.769
2.28	14.36	0.159	1.192	18.03
2.52	15.6	0.162	1.295	21.097
1.87	7.71	0.243	0.64	8.848
1.69	7.41	0.228	0.615	7.526
2.03	8.98	0.226	0.745	7.394
1.78	8.01	0.222	0.665	8.9
1.97	7.26	0.271	0.603	8.817
2.2	7.55	0.291	0.627	7.431
4.58	13.5	0.339	1.12	12.928
3.97	11.59	0.343	0.962	9.407
2.62	10.31	0.254	0.856	12.206
1.79	12.6	0.142	1.046	17.721
1.93	22.16	0.087	1.839	32.629
3.21	16.73	0.192	1.389	20.485
3.11	26.3	0.118	2.183	46.38
2.34	11.01	0.213	0.914	12.94
1.64	8.78	0.187	0.729	13.222
1.22	6.28	0.194	0.521	8.295
1.17	6.38	0.183	0.53	10.019
1.51	5.45	0.277	0.452	5.472

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3240	3426	31	1.56	446	0.96	2.97	0.53	190	34
3241	3427	31	1.95	447	1.49	4.66	0.6	239	31
3242	3428	31	1.34	443	1.01	2.63	0.64	196	48
3243	3429	31	1.47	446	1.04	2.85	0.54	194	37
3244	3430	31	2.86	445	1.47	7.23	0.7	253	24
3245	3431	31	4.32	447	1.85	13.16	0.5	305	12
3246	3432	31	2.73	446	1.63	7.25	0.77	266	28
3247	3433	31	2.2	446	1.54	4.95	0.65	225	30
3248	3434	31	3.15	445	1.89	7.89	0.52	251	17
3249	3435	31	3.48	444	2.34	10.81	0.78	311	22
3250	3436	31	4.31	445	2.6	13.54	0.62	315	14
3251	3437	31	4.83	445	2.38	15.19	0.55	315	11
3252	3438	31	5.07	449	2.01	17.18	0.54	340	11
3253	3439	31	5.81	447	2.42	17.87	0.57	309	10
3254	3440	31	3.81	443	2.83	9.26	0.46	244	12
3255	3441	31	3.96	446	4.18	11.52	0.51	292	13
3256	3442	31	3.45	449	2.24	9	0.55	262	16
3257	3443	31	2.95	449	2.69	7.08	0.62	242	21
3258	3444	31	1.89	445	1.39	3.42	0.81	182	43
3259	3445	31	1.88	446	1.4	3.62	0.67	194	36
3260	3446	31	2.21	450	1.45	4.98	0.48	227	22
3261	3447	31	4	448	2.04	10.71	0.64	270	16
3262	3448	31	4.23	445	2.42	11.55	0.78	275	18
3263	3449	31	3.44	445	2.42	7.55	0.79	221	23
3264	3450	31	2.97	445	1.46	6.79	0.75	231	25
3265	3451	31	3.72	444	3.2	9.42	0.7	255	19
3266	3452	31	3.64	446	3.82	8.97	0.7	248	19
3267	3453	31	2.09	443	2.14	5.05	0.72	244	34
3268	3454	31	2.3	448	2.07	5.24	0.78	230	34
3269	3455	31	2.74	448	2.36	6.65	0.68	245	25
3270	3456	31	2.02	444	1.75	3.47	0.67	173	33
3271	3457	31	2.72	447	1.99	6.6	0.84	244	31
3272	3458	31	2.15	445	1.78	4.84	0.77	227	36
3273	3459	31	2.95	447	1.49	8.91	0.7	304	24
3274	3460	31	3.5	447	1.78	11.52	0.72	331	21
3275	3461	31	3.87	447	2.28	14.7	0.71	382	18
3276	3462	31	2.18	448	1.56	6.18	0.9	285	41
3277	3463	31	2.72	438	3.16	9.09	0.74	336	27
3278	3464	31	3.23	438	5.22	10.36	0.67	322	21
3279	3465	31	3.24	435	6.21	11.68	0.71	362	22
3280	3466	31	2.97	433	5.47	10.45	0.73	354	25
3281	3467	31	6.01	447	2.32	21.74	0.63	364	10
3282	3468	31	7.29	444	2.2	28.41	0.72	391	10
3283	3469	31	3.72	449	2.63	10.08	0.62	273	17

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.96	3.93	0.244	0.326	5.604
1.49	6.15	0.242	0.51	7.767
1.01	3.64	0.277	0.302	4.109
1.04	3.89	0.267	0.323	5.278
1.47	8.7	0.169	0.722	10.329
1.85	15.01	0.123	1.246	26.32
1.63	8.88	0.184	0.737	9.416
1.54	6.49	0.237	0.539	7.615
1.89	9.78	0.193	0.812	15.173
2.34	13.15	0.178	1.091	13.859
2.6	16.14	0.161	1.34	21.839
2.38	17.57	0.135	1.458	27.618
2.01	19.19	0.105	1.593	31.815
2.42	20.29	0.119	1.684	31.351
2.83	12.09	0.234	1.003	20.13
4.18	15.7	0.266	1.303	22.588
2.24	11.24	0.199	0.933	16.364
2.69	9.77	0.275	0.811	11.419
1.39	4.81	0.289	0.399	4.222
1.4	5.02	0.279	0.417	5.403
1.45	6.43	0.226	0.534	10.375
2.04	12.75	0.16	1.058	16.734
2.42	13.97	0.173	1.16	14.808
2.42	9.97	0.243	0.828	9.557
1.46	8.25	0.177	0.685	9.053
3.2	12.62	0.254	1.047	13.457
3.82	12.79	0.299	1.062	12.814
2.14	7.19	0.298	0.597	7.014
2.07	7.31	0.283	0.607	6.718
2.36	9.01	0.262	0.748	9.779
1.75	5.22	0.335	0.433	5.179
1.99	8.59	0.232	0.713	7.857
1.78	6.62	0.269	0.549	6.286
1.49	10.4	0.143	0.863	12.729
1.78	13.3	0.134	1.104	16
2.28	16.98	0.134	1.409	20.704
1.56	7.74	0.202	0.642	6.867
3.16	12.25	0.258	1.017	12.284
5.22	15.58	0.335	1.293	15.463
6.21	17.89	0.347	1.485	16.451
5.47	15.92	0.344	1.321	14.315
2.32	24.06	0.096	1.997	34.508
2.2	30.61	0.072	2.541	39.458
2.63	12.71	0.207	1.055	16.258

Dh_Rockl	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3284	3470	31	2.09	443	2.21	5.24	0.66	253	32
3285	3471	31	2.39	445	2.67	6.32	0.71	266	30
3286	3472	31	2.31	446	2.47	6.02	0.65	262	28
3287	3473	31	3.34	446	1.61	9.09	0.58	274	17
3288	3474	31	3.3	452	1.58	8.94	0.56	272	17
3289	3475	31	3.23	449	1.96	8.71	0.57	271	18
3290	3476	31	2.31	441	2.13	5.9	0.73	257	32
3291	3477	31	3.1	449	2.41	9.07	0.72	295	23
3292	3478	31	3.52	448	2.24	10.94	0.77	313	22
3293	3479	31	2.77	450	1.65	6.88	0.71	251	26
3294	3480	31	3.14	447	1.96	8	0.7	257	22
3295	3481	31	3.07	446	1.58	7.39	0.56	242	18
3296	3482	31	2.39	449	1.86	5.31	0.58	224	24
3297	3483	31	1.73	427	4.17	4.97	0.62	289	36
3298	3484	31	0.76	415	3.86	2.77	0.71	367	93
3299	3485	31	0.79	413	4.1	3.23	0.67	411	85
3300	3486	31	2.21	436	5.67	6.56	0.64	299	29
3301	3487	31	3.43	444	5.29	9.95	0.66	292	19
3302	3488	31	2.18	441	3.51	4.54	0.85	210	39
3303	3489	31	1.51	451	1.56	2.41	0.78	162	52
3304	3490	31	1.42	453	1.23	2.12	0.64	151	45
3305	3491	31	1.51	451	1.6	2.58	0.53	172	35
3306	3492	31	2.41	450	1.56	6.23	0.51	261	21
3307	3493	31	3.83	444	2.09	11.57	0.52	304	14
3308	3494	31	3.23	449	1.01	7.17	0.63	224	20
3309	3495	31	2.48	451	0.89	5.59	0.61	227	25
3310	3496	31	2.19	451	0.9	4.27	0.57	197	26
3311	3497	31	1.24	453	0.42	1.86	0.51	152	41
3312	3498	31	2.12	446	0.89	4.43	0.52	211	25
3313	3499	31	2.13	452	0.75	4.03	0.59	191	28
3314	3500	31	2.65	447	1.12	5.77	0.58	220	22
3315	3501	31	3.72	451	1.17	10.26	0.86	277	23
3316	3502	31	3.26	449	1.45	8.72	0.78	269	24
3317	3503	31	2.71	435	4.98	8.68	0.72	322	27
3318	3504	31	1.53	438	2.66	3.81	0.67	251	44
3319	3505	31	1.04	451	1.03	1.88	0.54	183	52
3320	3506	31	2.16	451	0.77	3.88	0.51	181	24
3321	3507	31	2.18	451	0.99	4.95	0.48	229	22
3322	3508	31	2.49	449	0.96	5.87	0.48	238	19
3323	3509	31	2.6	450	1.04	5.03	0.49	195	19
3324	3510	31	1.25	440	2.19	2.67	0.49	214	39
3325	3511	31	1.25	440	2.19	2.67	0.49	214	39
3326	3512	31	1.25	440	2.19	2.67	0.49	214	39
3327	3513	31	1.14	449	1.05	1.74	0.49	153	43

HC_Shows	HC_Potential	PI	PC	S2/S3
2.21	7.45	0.297	0.618	7.939
2.67	8.99	0.297	0.746	8.901
2.47	8.49	0.291	0.705	9.262
1.61	10.7	0.15	0.888	15.672
1.58	10.52	0.15	0.873	15.964
1.96	10.67	0.184	0.886	15.281
2.13	8.03	0.265	0.666	8.082
2.41	11.48	0.21	0.953	12.597
2.24	13.18	0.17	1.094	14.208
1.65	8.53	0.193	0.708	9.69
1.96	9.96	0.197	0.827	11.429
1.58	8.97	0.176	0.745	13.196
1.86	7.17	0.259	0.595	9.155
4.17	9.14	0.456	0.759	8.016
3.86	6.63	0.582	0.55	3.901
4.1	7.33	0.559	0.608	4.821
5.67	12.23	0.464	1.015	10.25
5.29	15.24	0.347	1.265	15.076
3.51	8.05	0.436	0.668	5.341
1.56	3.97	0.393	0.33	3.09
1.23	3.35	0.367	0.278	3.312
1.6	4.18	0.383	0.347	4.868
1.56	7.79	0.2	0.647	12.216
2.09	13.66	0.153	1.134	22.25
1.01	8.18	0.123	0.679	11.381
0.89	6.48	0.137	0.538	9.164
0.9	5.17	0.174	0.429	7.491
0.42	2.28	0.184	0.189	3.647
0.89	5.32	0.167	0.442	8.519
0.75	4.78	0.157	0.397	6.831
1.12	6.89	0.163	0.572	9.948
1.17	11.43	0.102	0.949	11.93
1.45	10.17	0.143	0.844	11.179
4.98	13.66	0.365	1.134	12.056
2.66	6.47	0.411	0.537	5.687
1.03	2.91	0.354	0.242	3.481
0.77	4.65	0.166	0.386	7.608
0.99	5.94	0.167	0.493	10.312
0.96	6.83	0.141	0.567	12.229
1.04	6.07	0.171	0.504	10.265
2.19	4.86	0.451	0.403	5.449
2.19	4.86	0.451	0.403	5.449
2.19	4.86	0.451	0.403	5.449
1.05	2.79	0.376	0.232	3.551

Dh_Rock	Dh_Sample_Id	Refer	Org_Carb	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3328	3514	31	1.12	450	0.91	1.73	0.49	154	44
3329	3515	31	0.66	455	0.27	0.45	0.56	68	85
3330	3516	31	0.58	453	0.28	0.33	0.42	57	72
3331	3517	31	0.58	452	0.29	0.35	0.49	60	84
3332	3518	31	0.73	454	0.39	0.49	0.49	67	67
3333	3519	31	0.71	450	0.57	0.68	0.43	96	61
3334	3520	31	0.93	439	0.63	1.29	0.37	139	40
3335	3521	31	0.7	450	0.38	0.55	0.3	79	43
3336	3522	31	0.92	454	0.63	0.95	0.4	103	43
3337	3523	31	0.97	450	0.81	1.32	0.41	136	42
3338	3524	31	1.31	452	0.78	1.44	0.38	110	29
3339	3525	31	1.78	450	1.06	2.84	0.31	160	17
3340	3526	31	1.66	442	0.91	2.76	0.33	166	20
3341	3588	1			0.02		0.21		
3342	3589	1		433	0.45	0.39	0.33		
3343	3591	1		442	0.08	0.3	0.14		
3344	3590	1		445	0.11	0.42	0.16		
3345	3592	38	0.22						
3346	3593	38	1.02	406	0.53	1.25	0.35	122	34
3347	3594	38	1.88	444	0.47	0.47	0.25	25	13
3348	3595	38	0.13						
3349	3596	38	1.43	442	0.85	2.3	0.34	160	24
3350	3597	38	2.09	438	1.88	3.7	0.41	177	20
3351	3598	38	11.27						
3352	3599	38	1.15						
3353	3600	38	0.39	442	0.04	0.26	0.08	66	20
3354	3601	38	1.68	444	1.3	5.9	0.44	352	26
3355	3602	38	1.36	439	0.57	1.52	0.47	112	35
3356	3603	38	1.72	444	0.78	2.28	0.39	133	23
3357	3604	38	0.67	442	0.25	0.5	0.22	75	33
3358	3605	38	0.6	442	0.24	0.37	0.22	61	36
3359	3606	38	0.64	452	0.08	0.26	0.12	41	19
3360	3607	38	0.39						
3361	3608	38	0.82						
3362	3609	38	0.31						
3363	3610	38	0.12						
3364	3611	38	0.34						
3365	3612	38	0.7						
3366	3613	38	0.09	429	0.03	0.03	0.07	34	80
3367	3614	38	0.37	362	1.11	0.55	0.5	148	134
3368	3615	38	0.44	421	0.35	0.39	0.31	88	70
3369	3616	38	0.33	449	0.21	0.2	0.22	61	67
3370	3617	38	1.18	449	1.09	1.2	0.56	101	47
3371	3618	38	1.53	460	0.55	0.8	0.3	52	20

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.91	2.64	0.345	0.219	3.531
0.27	0.72	0.375	0.06	0.804
0.28	0.61	0.459	0.051	0.786
0.29	0.64	0.453	0.053	0.714
0.39	0.88	0.443	0.073	1
0.57	1.25	0.456	0.104	1.581
0.63	1.92	0.328	0.159	3.486
0.38	0.93	0.409	0.077	1.833
0.63	1.58	0.399	0.131	2.375
0.81	2.13	0.38	0.177	3.22
0.78	2.22	0.351	0.184	3.789
1.06	3.9	0.272	0.324	9.161
0.91	3.67	0.248	0.305	8.364
0.02	0.02	1	0.002	
0.45	0.84	0.536	0.07	1.182
0.08	0.38	0.211	0.032	2.143
0.11	0.53	0.208	0.044	2.625
0.53	1.78	0.298	0.148	3.571
0.47	0.94	0.5	0.078	1.88
0.85	3.15	0.27	0.261	6.765
1.88	5.58	0.337	0.463	9.024
0.04	0.3	0.133	0.025	3.25
1.3	7.2	0.181	0.598	13.409
0.57	2.09	0.273	0.173	3.234
0.78	3.06	0.255	0.254	5.846
0.25	0.75	0.333	0.062	2.273
0.24	0.61	0.393	0.051	1.682
0.08	0.34	0.235	0.028	2.167
0.03	0.06	0.5	0.005	0.429
1.11	1.66	0.669	0.138	1.1
0.35	0.74	0.473	0.061	1.258
0.21	0.41	0.512	0.034	0.909
1.09	2.29	0.476	0.19	2.143
0.55	1.35	0.407	0.112	2.667

Dh_Rock	Dh_Sample_Id	Refer	Org_Carbo	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Index
3372	3619	38	1.57	448	0.53	0.77	0.26	49	17
3373	3620	38	1.56	444	1.23	7.53	0.66	482	42
3374	3621	38	5.09	447	3.74	29.07	0.37	571	7
3375	3622	38	0.71	442	0.21	0.98	0.28	138	40
3376	3623	38	0.65	441	0.24	0.39	0.28	60	43
3377	3624	38	0.63	433	0.19	0.24	0.26	38	41
3378	3625	38	0.99	442	1.11	2.41	0.61	244	62
3379	3626	38	0.15	421	0.04	0.05	0.31	33	207
3380	3797	11	3.41	443	3.61	21.4	0.2	627.6	5.9
3382	3800	11	3.88	437	2.69	29.8	0.3	768	7.7
3383	3803	11	6.08	440	4.91	48.3	0.3	794.4	4.9
3384	3806	11	1.81	11	1.35	10.6	0.3	585.6	16.6
3385	3808	11	5.96	440	3.08	53.1	0.3	890.9	5
3386	3810	11	4.61	442	2.28	36.8	0.3	798.3	6.5
3387	3812	11	4.62	425	3.43	47.7	0.4	1032.5	8.7
3388	3813	11	3.28	422	3.09	32.4	0.5	987.8	15.2
3389	3814	11	1.17	421	1.05	3.7	0.6	316.2	51.3
3390	3815	11	0.92	722	0.42	1.7	0.6	184.8	65.2
3391	3816	11	0.49	419	0.33	0.5	0.5	102	102
3392	3817	11	0.63	413	0.17	0.3	0.4	47.6	63.5
3393	3818	11	0.66	411	0.25	0.3	0.4	45.5	60.6
3394	3819	11	1.09	412	2.98	4	0.3	367	27.5
3395	3820	11	2.38	419	2.03	11.4	0.4	479	16.8
3396	3821	11	1.82	442	1.34	9.8	0.4	538.5	22
3397	3822	11	1.63	447	0.92	3.5	0.4	214.7	24.5
3398	3823	11	0.72	444	0.01	0.5	0.49	69.44	68.06

HC_Shows	HC_Potentia	PI	PC	S2/S3
0.53	1.3	0.408	0.108	2.962
1.23	8.76	0.14	0.727	11.409
3.74	32.81	0.114	2.723	78.568
0.21	1.19	0.176	0.099	3.5
0.24	0.63	0.381	0.052	1.393
0.19	0.43	0.442	0.036	0.923
1.11	3.52	0.315	0.292	3.951
0.04	0.09	0.444	0.007	0.161
3.61	25.01	0.144	2.076	107
2.69	32.49	0.083	2.697	99.333
4.91	53.21	0.092	4.416	161
1.35	11.95	0.113	0.992	35.333
3.08	56.18	0.055	4.663	177
2.28	39.08	0.058	3.244	122.667
3.43	51.13	0.067	4.244	119.25
3.09	35.49	0.087	2.946	64.8
1.05	4.75	0.221	0.394	6.167
0.42	2.12	0.198	0.176	2.833
0.33	0.83	0.398	0.069	1
0.17	0.47	0.362	0.039	0.75
0.25	0.55	0.455	0.046	0.75
2.98	6.98	0.427	0.579	13.333
2.03	13.43	0.151	1.115	28.5
1.34	11.14	0.12	0.925	24.5
0.92	4.42	0.208	0.367	8.75
0.01	0.51	0.02	0.042	1.02

Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
130	96	LM8-3 (#2?)	7	N			
1703	385	Test Hole 251	14	Y	1.52		
162	107	Test Hole 280	14	Y	3.05		
1785	599	Test Hole 66	14	Y	3.05		
1808	648	Test Hole 4	14	Y	4.57		
737	351	C.A. -01	27	Y	6.1		
1711	426	Test Hole 171	14	Y	6.1		
1751	538	Test Hole 75	14	Y	6.1		
618	339	Arco Dover 1A -7	28	Y	7		
852	354	Cartago Dover #1 -7.01	10	Y	7.01		
738	351	C.A. -02	27	Y	7.32		
134	96	L390-8 - Lower Millstream 8 - Sa	26	Y	8.31	8.24	8.31
739	351	C.A. -03	27	Y	8.53		
230	254	NB G&O #115 - H-D-36	15	Y	8.84		
1731	492	Test Hole 96	14	Y	9.14		
1780	592	Test Hole 52	14	Y	9.14		
854	354	Cartago Dover #1 -9.44	10	Y	9.44		
740	351	C.A. -04	27	Y	9.75		
1764	566	Test Hole 1182	14	Y	9.75		
741	351	C.A. -05	27	Y	10.97		
856	354	Cartago Dover #1 -11.27	10	Y	11.27		
742	351	C.A. -06	27	Y	12.19		
1707	393	Test Hole 204	14	Y	12.19		
1718	563	Test Hole 165	14	Y	12.19		
1759	557	Test Hole 208	14	Y	12.19		
1784	598	Test Hole 61	14	Y	12.19		
1791	613	Test Hole 38	14	Y	12.19		
858	354	Cartago Dover #1 -12.95	10	Y	12.95		
743	351	C.A. -07	27	Y	13.41		
744	351	C.A. -08	27	Y	14.63		
1768	571	Test Hole 147	14	Y	15.24		
1778	590	Test Hole 47	14	Y	15.24		
1795	620	Test Hole 34	14	Y	15.24		
745	351	C.A. -09	27	Y	15.85		
1761	561	Test Hole 228	14	Y	16.15		
1560	362	Rosevale #5-10253	18	Y	17	16	17
860	354	Cartago Dover #1 -17.06	10	Y	17.06		
746	351	C.A. -10	27	Y	17.07		

Depth_m	Calc_Elevatio	Group	Formation	Member
		Horton	Albert	
1.52	36.58	Cumberland	Boss Point	
3.05	65.53	Pictou		
3.05	11.89	Pictou		
4.57	6.1	Pictou		
6.096	89.4	Horton	Albert	
6.1	67.97	Pictou		
6.1	51.81	Pictou		
7	52.45	Mabou	Hopewell Cap	
7.01	55.99	Horton	Albert	Hiram Brook
7.3152	88.18	Horton	Albert	
8.3	121.69	Sussex	Weldon	Undivided
8.5344	86.97	Horton	Albert	
8.84	111.56	Cumberland	Boss Point	
9.14	16.77	Pictou		
9.14	8.54	Pictou		
9.44	53.56	Horton	Albert	Hiram Brook
9.7536	85.75	Horton	Albert	
9.75	151.85	Cumberland		
10.9728	84.53	Horton	Albert	
11.27	51.73	Horton	Albert	Hiram Brook
12.192	83.31	Horton	Albert	
12.19	140.21	Pictou		
12.19	161.55	Pictou		
12.19	224.03	Pictou		
12.19	16.77	Pictou		
12.19	143.87	Pictou		
12.95	50.05	Horton	Albert	Hiram Brook
13.4112	82.09	Horton	Albert	
14.6304	80.87	Horton	Albert	
15.24	121.92	Pictou		
15.24	35.36	Pictou		
15.24	-5.79	Pictou		
15.8496	79.65	Horton	Albert	
16.15	220.07	Pictou		
	218	Horton	Albert	
17.06	45.94	Horton	Albert	Hiram Brook
17.0688	78.43	Horton	Albert	

Sample_Description
Dark grey to black, massive (unlaminated) organic siltstone. Organic matter i
90% Quartzose Lithic Sandstone, abundant yellow staining, 5% Coal
75% lithic Sandstone, 20% polymictic Conglomerate, 5% coal
95% feldspathic Sandstone, 5% Coal
50% Coal, 50% Sandstone, poorly cemented
Shale dolomitic, medium dark grey green to neutral grey
80% polymictic Conglomerate, 20% Lithic Sandstone, trace Coal
50% Quartz feldspar Conglomerate, 45% lithic Sandstone, 5% Coal
Conglomerate and sandstone light grey to greenish-grey
Marlstone dark brownish-grey, fair laminations and varves
Shale dolomitic, medium dark grey green to neutral grey
Massive, charcoal color, v.f.g. sandy mudstone, noncalcareous, 3, mica, felds
Shale dolomitic, medium dark grey green to neutral grey
Conglomerate & grit
50% unconsolidated Sandstone, 30% dark grey calcareous plant fragments,
60% lithic Sandstone, 40% polymitic Conglomerate, trace Coal
interbedded black Shale, Mudstone and Sandstone light grey
Shale dolomitic, medium grey brown, thinly laminated to banded
60% polymitic Conglomerate, 30% lithic Sandstone, 10% Coal dull black mino
Shale dolomitic, medium grey brown, thinly laminated to banded
interbedded black Shale, Mudstone and Sandstone light grey
Shale dolomitic, medium grey brown, thinly to finely laminated
70% polymictic Conglomerate, 20% Lithic Sandstone, 5% Coal, 5% Pyrite an
50% Coal, 40% lithic Sandstone, 10% polymitic Conglomerate, hemitite staini
87% polymitic Conglomerate, 10% Coal, 3% pyrite
60%Conglomerate, 40% quartzose-feldspathic Sandstone, minor Coal
95% quartzose Sandstone, 5% Coal
Sandstone light to dark grey, very fine grained, bituminous
Shale dolomitic, medium grey brown, thinly to finely laminated
Shale dolomitic, medium grey brown, thinly to finely laminated with dolomite b
65% quartzose lithic Sandstone, 30% polymitic Conglomerate calcareous, 3%
95% lithic Sandstone, 5% Coal
40% Coal, 30% lithic Sandstone, 30% Conglomerate
Shale dolomitic, medium grey brown, thinly to finely laminated with dolomite b
70% Shale, 20% Clay, 10% Coal
50% grey to black Siltstone, 50% brown Sandstone, quartzose, minor keroge
interbedded Shale and Siltstone light grey green to dark grey
Shale dolomitic, medium grey brown, thinly to finely laminated, contorted, poo

General_Note	Sample_Type	Palynology
Lower Millstream		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1634	363	Rosevale #6-08560	18	Y	17.5	16.5	17.5
1561	362	Rosevale #5-10254	18	Y	18	17	18
747	351	C.A. -11	27	Y	18.29		
1716	453	Test Hole B24	14	Y	18.29		
1798	632	Test Hole 12	14	Y	18.29		
1635	363	Rosevale #6-08561	18	Y	18.5	17.5	18.5
1562	362	Rosevale #5-10255	18	Y	19	18	19
1636	363	Rosevale #6-08562	18	Y	19.5	18.5	19.5
748	351	C.A. -12	27	Y	19.51		
1800	636	Test Hole 19	14	Y	19.81		
1563	362	Rosevale #5-10256	18	Y	20	19	20
547	345	C-A2 -067	3	Y	20.42		
1637	363	Rosevale #6-08563	18	Y	20.5	19.5	20.5
749	351	C.A. -13	27	Y	20.73		
619	339	Arco Dover 1A -21	28	Y	21		
1564	362	Rosevale #5-10257	18	Y	21	20	21
117	89	L390-1 - Lower Millstream - Samp	26	Y	21.2	21	21.2
1772	577	Test Hole 104	14	Y	21.34		
1773	578	Test Hole 105	14	Y	21.34		
750	351	C.A. -14	27	Y	21.95		
1565	362	Rosevale #5-10258	18	Y	22	21	22
1833	691	22	31	Y	22		
751	351	C.A. -15	27	Y	23.16		
1834	691	24	31	Y	24		
752	351	C.A. -16	27	Y	24.38		
1732	496	Test Hole 110	14	Y	24.38		
1806	644	Test Hole 7	14	Y	24.38		
124	93	L390-5 - Lower Millstream 5 - Sa	26	Y	24.6	24.4	24.6
545	343	Arco Albert Mines 1A -25	25	Y	25		
4	13	Test Hole 309	14	Y	25.3		
753	351	C.A. -17	27	Y	25.6		
546	343	Arco Albert Mines 1A -26	25	Y	26		
1835	691	26	31	Y	26		
754	351	C.A. -18	27	Y	26.82		
10	31	Test Hole 283	14	Y	27.43		
1771	574	Test Hole 164	14	Y	27.43		
1775	582	Test Hole 119	14	Y	27.43		
1836	691	28	31	Y	28		

Depth_m	Calc_Elevatio	Group	Formation	Member
	227.5	Horton	Albert	
	217	Horton	Albert	
18.288	77.21	Horton	Albert	
18.29	49.99	Pictou		
18.29	28.04	Pictou		
	226.5	Horton	Albert	
	216	Horton	Albert	
	225.5	Horton	Albert	
19.5072	75.99	Horton	Albert	
19.81	0	Pictou		
	215	Horton	Albert	
20.42	83.21	Horton	Albert	Fredericks Bro
	224.5	Horton	Albert	
20.7264	74.77	Horton	Albert	
21	38.45	Horton	Albert	
	214	Horton	Albert	
21.1	53.8	Horton	Albert	
21.34	102.1	Pictou		
21.34	74.67	Pictou		
21.9456	73.55	Horton	Albert	
	213	Horton	Albert	
22	17.4	Horton	Albert	Fredericks Bro
23.1648	72.34	Horton	Albert	
24	15.4	Horton	Albert	Fredericks Bro
24.384	71.12	Horton	Albert	
24.38	31.7	Pictou		
24.384	-12.8	Pictou		
24.5	25.4	Sussex	Weldon	Undivided
25	83.2	Horton	Albert	
25.3	130.15	Pictou		
25.6032	69.9	Horton	Albert	
26	82.2	Horton	Albert	
26	13.4	Horton	Albert	Fredericks Bro
26.8224	68.68	Horton	Albert	
27.43	-14.32	Pictou		
27.43	137.16	Pictou		
27.43	140.21	Pictou		
28	11.4	Horton	Albert	Fredericks Bro

Sample_Description
60% brown Sandstone, kerogenous, 40% brown Siltstone, kerogenous
50% brown Sandstone, quartzose, minor kerogenous stringers, 50% brown to
Shale dolomitic, medium grey brown, thinly to finely laminated, ash bands
60% Shale, 40% Coal, trace lithic Sandstone
90% conglomerate, 9% Coal, 1% pyrite disseminated and massive
70% brown to grey to blue Sandstone, locally kerogenous, 30% grey to brown
grey to brown Siltstone
grey Sandstone
Shale dolomitic, medium grey brown, thinly to finely laminated, ash bands
60% Shale, 40% Coal, plant fragments
grey to brown Shale, locally dolomitic, kerogenous stringers
Marlstone, dark greyish-brown, dolomitic, slight burning odour, no smoke or fl
grey Sandstone, kerogenous
Shale dolomitic, medium grey brown, thinly to finely laminated, ash bands
Shale brown-grey, massive to finely laminiated, fissile at base
grey to brown Shale, locally dolomitic, kerogenous stringers
Fissile, medium dark grey, clay, noncalcareous, 1, silt size clay/mica
75% polymitic Conglomerate, 10% lithic Sandstone calcareous, 13% carbona
60% quartzose lithic Sandstone calcareous, 20% Siltstone, 20% Coal black vi
Shale dolomitic, thinly laminated to finely laminated and banded, wavy to cont
60% grey to brown Shale, locally kerogenous, 40% grey Sandstone lithic
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l
Shale dolomitic, medium grey brown, thinly to finely laminated with dolomite b
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l
Shale dolomitic, medium grey brown, thinly to finely laminated with dolomite b
80% lithic Sandstone, 10% pyrite chips, 5% Coal
70% feldspathic Sandstone, 20% Conglomerate, 10% Coal
Massive, dark grey-green, clay minor silt, slightly calcareous, 0.5-1, silt size cl
Shale medium grey slight brownish tinge, chunky ot subfissile
100% polymictic Cgl, trace of carbonaceous material and black Sh
Shale dolomitic, medium grey brown, thinly to finely laminated with dolomite b
Shale medium grey slight brownish tinge, chunky ot subfissile
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l
Shale dolomitic, medium to dark grey brown, thinly to finely laminated with inj
10% polymictic Cgl, 80% lithic Ss, 10% Coal
70% polymitic Conglomerate, 10% lithic Sandstone, 10% Siltstone, 10% Coal
80% quartzose Sandstone micaceous, 10% Siltstone, 10% Coal
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
755	351	C.A. -19	27	Y	28.04		
1308	359	Rosevale #2-08620	18	Y	28.6	28	28.6
1309	359	Rosevale #2-08621	18	Y	29.2	28.6	29.2
756	351	C.A. -20	27	Y	29.26		
1310	359	Rosevale #2-08622	18	Y	29.8	29.2	29.8
1566	362	Rosevale #5-10259	18	Y	30	29	30
1837	691	30	31	Y	30		
1311	359	Rosevale #2-08623	18	Y	30.4	29.8	30.4
757	351	C.A. -21	27	Y	30.48		
1776	585	Test Hole 132	14	Y	30.48		
1464	361	Rosevale #4-03183	18	Y	30.6	30	30.6
1312	359	Rosevale #2-08624	18	Y	31	30.4	31
1567	362	Rosevale #5-10260	18	Y	31	30	31
1465	361	Rosevale #4-03184	18	Y	31.2	30.6	31.2
1313	359	Rosevale #2-08625	18	Y	31.6	31	31.6
758	351	C.A. -22	27	Y	31.7		
1466	361	Rosevale #4-03185	18	Y	31.8	31.2	31.8
727	349	C-A7 -105	3	Y	32		
1568	362	Rosevale #5-10261	18	Y	32	31	32
1838	691	32	31	Y	32		
2000	692	32	31	Y	32		
1314	359	Rosevale #2-08626	18	Y	32.2	31.6	32.2
3652	4332	28-106	39	Y	32.31		
1467	361	Rosevale #4-03186	18	Y	32.4	31.8	32.4
1708	413	Test Hole 193	14	Y	32.61		
759	351	C.A. -23	27	Y	32.92		
1468	361	Rosevale #4-03187	18	Y	33	32.4	33
1569	362	Rosevale #5-10262	18	Y	33	32	33
1183	358	Rosevale #1-08696	18	Y	33.5	32.5	33.5
1638	363	Rosevale #6-08564	18	Y	33.5	32.5	33.5
1747	528	Test Hole 80	14	Y	33.53		
1793	617	Test Hole 44	14	Y	33.53		
1803	641	Test Hole 29	14	Y	33.53		
1469	361	Rosevale #4-03188	18	Y	33.6	33	33.6
1839	691	34	31	Y	34		
2001	692	34	31	Y	34		
3643	89	18-34	39	Y	34		
626	339	A-DIA -112	3	Y	34.14		

Depth_m	Calc_Elevatio	Group	Formation	Member
28.0416	67.46	Horton	Albert	
	206.4	Horton	Albert	
	205.8	Horton	Albert	
29.2608	66.24	Horton	Albert	
	205.2	Horton	Albert	
	205	Horton	Albert	
30	9.41	Horton	Albert	Fredericks Bro
	204.6	Horton	Albert	
30.48	65.02	Horton	Albert	
30.48	102.11	Pictou		
	202.4	Horton	Albert	
	204	Horton	Albert	
	204	Horton	Albert	
	201.8	Horton	Albert	
	203.4	Horton	Albert	
31.6992	63.8	Horton	Albert	
	201.2	Horton	Albert	
32	97.54	Horton	Albert	
	203	Horton	Albert	
32	7.41	Horton	Albert	Fredericks Bro
32	-15.27	Horton	Albert	Fredericks Bro
	202.8	Horton	Albert	
32.31	-1.22			
	200.6	Horton	Albert	
32.61	61.27	Pictou		
32.9184	62.58	Horton	Albert	
	200	Horton	Albert	
	202	Horton	Albert	
	217.5	Horton	Albert	
	211.5	Horton	Albert	
33.53	16.46	Pictou		
33.53	59.13	Pictou		
33.53	35.96	Pictou		
	199.4	Horton	Albert	
34	5.41	Horton	Albert	Fredericks Bro
34	-17.27	Horton	Albert	Fredericks Bro
34	41	Horton	Albert	
34.14	25.31	Horton	Albert	

Sample_Description
Shale dolomitic, medium to dark grey brown, thinly to finely laminated with inj
brown Shale, kerogenous, fossiliferous
brown Shale, kerogenous, fossiliferous, with band of Siltstone
Shale dolomitic, medium grey brown to to dark grey brown,, thinly to finely la
brown Shale, kerogenous
brown Shale, kerogenous
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l
interbedded brown Shale, grey Siltstone, kerogenous
Shale dolomitic, medium grey brown to to dark grey brown,, thinly to finely la
70% lithic Sandstone, 10% polymitic Conglomerate, 10% Siltstone, 10% Coal
brown Shale, kerogenous
interbedded brown Shale, grey Siltstone, kerogenous
80% interbedded brown and grey Sandstone, quartzose, 20% brown Shale, k
brown Shale, kerogenous
brown Siltstone, kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to finely laminat
brown Shale, kerogenous
Sandstone and Siltstone dark grey <=1.3cm laminations
60% brown Shale, kerogencus, 40% grey intraformational Conglomerate, ker
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l
brown grey Dolomite thickly laminated, onocliths up to 5 cm, trace sandy lami
grey intraformational Conglomerate
Siltstone - Mudstone, green to grey, highly contorted with red grey Argillaceou
brown Shale, kerogenous minor grey Sandstone
25% Lithic Sandstone, 15% polymictic Conglomerate, 20% Shale, 20% Coal,
Shale dolomitic, medium to dark grey brown, thinly laminated to finely laminat
brown to grey Shale, kerogenous
60% brown to black Shale, 40% grey Sandstone, quartzose
grey brown to grey Sandstone dolomitic, kerogenous
brown to grey Shale, kerogenous
50% polymitic Conglomerate, 40% lithic Sandstone, 10% Coal, abundant pyrit
70% lithic Sandstone, 10% Conglomerate, 10% Coal and plant fragments
75% lithic Sandstone calcareous, 25% Limestone, minor coal
brown to grey Shale, kerogenous
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l
brown grey Dolomite thickly laminated, onocliths up to 5 cm, trace sandy lami
medium to dark grey Siltstone, fine grained with interbedded shale
Marlstone brown massive with variable kerogen lamination

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
760	351	C.A. -24	27	Y	34.14		
1470	361	Rosevale #4-03189	18	Y	34.2	33.6	34.2
1184	358	Rosevale #1-08697	18	Y	34.5	33.5	34.5
1639	363	Rosevale #6-08565	18	Y	34.5	33.5	34.5
1471	361	Rosevale #4-03190	18	Y	35	34.2	35
761	351	C.A. -25	27	Y	35.36		
1185	358	Rosevale #1-08698	18	Y	35.5	34.5	35.5
1640	363	Rosevale #6-08566	18	Y	35.5	34.5	35.5
1472	361	Rosevale #4-03191	18	Y	35.6	35	35.6
1765	568	Test Hole 144	14	Y	35.66		
862	354	Cartago Dover #1 -35.96	10	Y	35.96		
1473	361	Rosevale #4-03192	18	Y	36	35.6	36
1840	691	36	31	Y	36		
2002	692	36	31	Y	36		
1186	358	Rosevale #1-08699	18	Y	36.5	35.5	36.5
1641	363	Rosevale #6-08567	18	Y	36.5	35.5	36.5
762	351	C.A. -26	27	Y	36.58		
1758	556	Test Hole 207	14	Y	36.58		
1762	564	Test Hole 182	14	Y	36.58		
1763	565	Test Hole 183	14	Y	36.58		
1802	638	Test Hole 24	14	Y	36.58		
156	99	L390-16 - Apohaqui1 - Sample 1	26	Y	36.59	27.44	36.59
1474	361	Rosevale #4-03193	18	Y	36.6	36	36.6
632	339	Arco Dover 1A -37	25	Y	37		
1475	361	Rosevale #4-03194	18	Y	37.2	36.6	37.2
1187	358	Rosevale #1-08700	18	Y	37.5	36.5	37.5
1642	363	Rosevale #6-08568	18	Y	37.5	36.5	37.5
763	351	C.A. -27	27	Y	37.8		
1476	361	Rosevale #4-03195	18	Y	37.8	37.2	37.8
279	335	L390-25 - Arco St. Joseph 1 - Sa	26	Y	37.96	36.43	37.96
1841	691	38	31	Y	38		
2003	692	38	31	Y	38		
1477	361	Rosevale #4-03196	18	Y	38.4	37.8	38.4
1188	358	Rosevale #1-10201	18	Y	38.5	37.5	38.5
1643	363	Rosevale #6-08569	18	Y	38.5	37.5	38.5
864	354	Cartago Dover #1 -38.86	10	Y	38.86		
1478	361	Rosevale #4-03197	18	Y	39	38.4	39
764	351	C.A. -28	27	Y	39.01		

Depth_m	Calc_Elevatio	Group	Formation	Member
34.1376	61.36	Horton	Albert	
	198.8	Horton	Albert	
	216.5	Horton	Albert	
	210.5	Horton	Albert	
	198	Horton	Albert	
35.3568	60.14	Horton	Albert	
	215.5	Horton	Albert	
	209.5	Horton	Albert	
	197.4	Horton	Albert	
35.66	46.64	Pictou		
35.96	27.04	Horton	Albert	Fredericks Bro
	197	Horton	Albert	
36	3.41	Horton	Albert	Fredericks Bro
36	-19.27	Horton	Albert	Fredericks Bro
	214.5	Horton	Albert	
	208.5	Horton	Albert	
36.576	58.92	Horton	Albert	
36.58	54.86	Pictou		
36.58	100.58	Pictou		
36.58	152.4	Pictou		
36.58	46.33	Pictou		
27.4	118.25	Horton	Albert	
	196.4	Horton	Albert	
37	22.45	Horton	Albert	
	195.8	Horton	Albert	
	213.5	Horton	Albert	
	207.5	Horton	Albert	
37.7952	57.7	Horton	Albert	
	195.2	Horton	Albert	
37	7.76	Horton	Albert	
38	1.41	Horton	Albert	Fredericks Bro
38	-21.27	Horton	Albert	Fredericks Bro
	194.6	Horton	Albert	
	212.5	Horton	Albert	
	206.5	Horton	Albert	
38.86	24.14	Horton	Albert	Fredericks Bro
	194	Horton	Albert	
39.0144	56.49	Horton	Albert	

Sample_Description
Shale dolomitic, medium to dark grey brown, thinly laminated to finely laminat
blue to brown Siltstone, kerogenous
grey to brown, interbedded Sandstone, Siltstone, and Shale, kerogenous
50% blue grey Sandstone, 50% brown to grey Shale, kerogenous
blue to brown Siltstone, kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to finely laminat
grey to brown Shale and Siltstone, kerogenous
grey intraformational Conglomerate
60% blue to brown Siltstone, kerogenous, 40% grey Sandstone
75% quartzose lithic Sandstone, 25% Coal
interbedded Shale and Siltstone dark grey, thin beds kerogenous Shale, kero
50% grey quartzose Sandstone, 50% brown Shale, kerogenous
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l
brown grey Dolomite thickly laminated, onocliths up to 5 cm, trace sandy lami
grey Sandstone with kerogenous stringers
brown Siltstone, kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to finely laminat
35% lithic Sandstone, 25% polymitic Conglomerate, 10% Shale, 5% Coal and
90% polymitic Conglomerate, 10% Coal, minor calcite cement
65% lithic Sandstone, 25% polymitic Conglomerate, 10% Coal, pyrite cement
70% feldspathic Sandstone, 5% Conglomerate, 5% Siltstone, 20% Coal
90% dark grey - 10% medium grey, silty mudstone with vfg to fine grained sa
brown Shale, kerogenous
Shale brownish-grey to greyish-brown, chunky to sublaminated, come concen
brown Shale, kerogenous
grey Sandstone quartzose with kerogenous stringers and bituminous fragmen
grey Sandstone locally kerogenous
Shale dolomitic, medium to dark grey brown, locally medium brown to neutral
brown Shale, kerogenous
Hackly fractured silty mudstone, dark brwon grey, silty mudstone, moderately
grey to light grey Claystone, dolomitic, thick regular laminations, trace sandy l
brown grey to grey Dolomite regular thin laminations locally slightly contorted
brown Shale, kerogenous
grey Sandstone quartzose with kerogenous stringers and bituminous fragmen
50% brown to grey Siltstone, kerogenous, 50% grey intraformational Conglo
Marlstone , brown laminated kerogenous, local Siltstone
brown to black Shale, kerogenous
Shale dolomitic, medium to dark grey brown, locally medium brown to neutral

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1189	358	Rosevale #1-10202	18	Y	39.5	38.5	39.5
1315	359	Rosevale #2-08627	18	Y	39.6	39	39.6
1479	361	Rosevale #4-03198	18	Y	39.6	39	39.6
865	354	Cartago Dover #1 -39.62	10	Y	39.62		
1743	518	Test Hole 129	14	Y	39.62		
1748	530	Test Hole 90	14	Y	39.62		
296	336	L390-34 - Arco St. Joseph 2 - Sa	26	Y	39.63	37.2	39.63
1842	691	40	31	Y	40		
2004	692	40	31	Y	40		
866	354	Cartago Dover #1 -40.08	10	Y	40.08		
1316	359	Rosevale #2-08628	18	Y	40.2	39.6	40.2
1480	361	Rosevale #4-03199	18	Y	40.2	39.6	40.2
765	351	C.A. -29	27	Y	40.23		
1190	358	Rosevale #1-10203	18	Y	40.5	39.5	40.5
868	354	Cartago Dover #1 -40.61	10	Y	40.61		
1317	359	Rosevale #2-08629	18	Y	40.8	40.2	40.8
1481	361	Rosevale #4-03200	18	Y	40.8	40.2	40.8
627	339	A-DIA -134	3	Y	40.84		
2237	693	41	31	Y	41		
1318	359	Rosevale #2-08630	18	Y	41.4	40.8	41.4
1482	361	Rosevale #4-07620	18	Y	41.4	40.8	41.4
766	351	C.A. -30	27	Y	41.45		
1191	358	Rosevale #1-10204	18	Y	41.5	40.5	41.5
1319	359	Rosevale #2-08631	18	Y	42	41.4	42
1483	361	Rosevale #4-07621	18	Y	42	41.4	42
1843	691	42	31	Y	42		
2005	692	42	31	Y	42		
2238	693	42	31	Y	42		
870	354	Cartago Dover #1 -42.29	10	Y	42.29		
1192	358	Rosevale #1-10205	18	Y	42.5	41.5	42.5
1320	359	Rosevale #2-08632	18	Y	42.6	42	42.6
1484	361	Rosevale #4-07622	18	Y	42.6	42	42.6
767	351	C.A. -31	27	Y	42.67		
1799	634	Test Hole 17	14	Y	42.67		
1321	359	Rosevale #2-08633	18	Y	43.2	42.6	43.2
1485	361	Rosevale #4-07623	18	Y	43.2	42.6	43.2
1193	358	Rosevale #1-10206	18	Y	43.5	42.5	43.5
1644	363	Rosevale #6-08570	18	Y	43.5	42.5	43.5

Depth_m	Calc_Elevatio	Group	Formation	Member
	211.5	Horton	Albert	
	195.4	Horton	Albert	
	193.4	Horton	Albert	
39.62	23.38	Horton	Albert	Fredericks Bro
39.62	39.63	Pictou		
39.62	-1.52	Pictou		
38	10.66	Horton	Albert	
40	-0.59	Horton	Albert	Fredericks Bro
40	-23.27	Horton	Albert	Fredericks Bro
40.08	22.92	Horton	Albert	Fredericks Bro
	194.8	Horton	Albert	
	192.8	Horton	Albert	
40.2336	55.27	Horton	Albert	
	210.5	Horton	Albert	
40.61	22.39	Horton	Albert	Fredericks Bro
	194.2	Horton	Albert	
	192.2	Horton	Albert	
40.84	18.61	Horton	Albert	
41	19.91	Horton	Albert	Hiram Brook
	193.6	Horton	Albert	
	191.6	Horton	Albert	
41.4528	54.05	Horton	Albert	
	209.5	Horton	Albert	
	193	Horton	Albert	
	191	Horton	Albert	
42	-2.59	Horton	Albert	Fredericks Bro
42	-25.27	Horton	Albert	Fredericks Bro
42	18.91	Horton	Albert	Hiram Brook
42.29	20.71	Horton	Albert	Fredericks Bro
	208.5	Horton	Albert	
	192.4	Horton	Albert	
	190.4	Horton	Albert	
42.672	52.83	Horton	Albert	
42.67	18.9	Pictou		
	191.8	Horton	Albert	
	189.8	Horton	Albert	
	207.5	Horton	Albert	
	201.5	Horton	Albert	

Sample_Description
interbedded grey Sandstone and brown kerogenous Shale
grey Sandstone, kerogenous stringers
brown to black Shale, kerogenous
Marlstone , brown laminated kerogenous
65% lithic Sandstone, 25% polymitic Conglomerate, 10% Coal
60% polymitic Conglomerate, 30% quartzose Sandstone, 10% Coal
Hackly fractured, medium brown grey, fine grained silt, very slightly to mediu
light grey to grey Claystone, regular thick laminations to thinly bedded, highly f
brown grey to grey Dolomite regular thin laminations locally slightly contorted
Marlstone , brown laminated kerogenous
grey Sandstone, kerogenous stringers
60% brown to black Shale, kerogenous, 40% grey Sandstone, quartzose
Dolomite, argillaceous, medium grey brown, thinly laminated to banded, silty
brown kerogenous Shale with grey Sandstone interbeds
Siltstone medium grey, calcite veinlets and specks, pyrite nodules
brown Shale, kerogenous
brown to black Shale, kerogenous
Shale brownish-grey to greyish-brown, chunky to sublaminated, come concen
dark grey to black Claystone, 90% calcareous-dolomitic, massive to thickly la
brown Shale, kerogenous
brown to black Shale, kerogenous
Dolomite, argillaceous, medium grey brown, thinly laminated to banded, silty
40% brown kerogenous Shale with 60% blue to grey Sandstone quartzose
brown Sandstone, kerogenous
interbedded grey quartzose Sandstone and grey kerogenous Shale
light grey to grey Claystone, regular thick laminations to thinly bedded, highly f
brown grey to grey Dolomite regular thin laminations locally slightly contorted
dark grey to black Claystone, 90% calcareous-dolomitic, massive to thickly la
Marlstone , brown laminated kerogenous
blue to grey Sandstone quartzose
interbedded brown Shale, and Sandstone, kerogenous
50% grey intraformational Conglomerate, 50% brown Shale, kerogenous
Dolomite, argillaceous, medium grey brown to grey green, thinly laminated to
80% lithic Sandstone, 10% Conglomerate, 10% Coal and plant fragments
interbedded brown Shale, kerogenous, and grey Sandstone, quartzose
brown to black Shale, kerogenous
blue to grey Sandstone quartzose minor Shale interbeds
brown to grey Siltstone, kerogenous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1322	359	Rosevale #2-08634	18	Y	43.8	43.2	43.8
1486	361	Rosevale #4-07624	18	Y	43.8	43.2	43.8
768	351	C.A. -32	27	Y	43.89		
1844	691	44	31	Y	44		
2006	692	44	31	Y	44		
2239	693	44	31	Y	44		
1323	359	Rosevale #2-08635	18	Y	44.4	43.8	44.4
1487	361	Rosevale #4-07625	18	Y	44.4	43.8	44.4
1194	358	Rosevale #1-10207	18	Y	44.5	43.5	44.5
1645	363	Rosevale #6-08571	18	Y	44.5	43.5	44.5
548	345	C-A2 -147	3	Y	44.81		
872	354	Cartago Dover #1 -44.95	10	Y	44.95		
1324	359	Rosevale #2-08636	18	Y	45	44.4	45
1488	361	Rosevale #4-07626	18	Y	45	44.4	45
769	351	C.A. -33	27	Y	45.11		
873	354	Cartago Dover #1 -45.11	10	Y	45.11		
1646	363	Rosevale #6-08572	18	Y	45.5	44.5	45.5
1325	359	Rosevale #2-08637	18	Y	45.6	45	45.6
1489	361	Rosevale #4-07627	18	Y	45.6	45	45.6
1737	510	Test Hole 102	14	Y	45.72		
1741	515	Test Hole 116	14	Y	45.72		
1767	570	Test Hole 146	14	Y	45.72		
1777	586	Test Hole 82	14	Y	45.72		
1845	691	46	31	Y	46		
2007	692	46	31	Y	46		
2240	693	46	31	Y	46		
1326	359	Rosevale #2-08638	18	Y	46.2	45.6	46.2
1490	361	Rosevale #4-07628	18	Y	46.2	45.6	46.2
770	351	C.A. -34	27	Y	46.33		
3641	3361	16-152ft	39	Y	46.33		
1647	363	Rosevale #6-08573	18	Y	46.5	45.5	46.5
1327	359	Rosevale #2-08639	18	Y	46.8	46.2	46.8
1491	361	Rosevale #4-07629	18	Y	46.8	46.2	46.8
160	102	Test Hole 260	14	Y	46.94		
1328	359	Rosevale #2-08640	18	Y	47.4	46.8	47.4
1492	361	Rosevale #4-07630	18	Y	47.4	46.8	47.4
771	351	C.A. -35	27	Y	47.55		
1329	359	Rosevale #2-08641	18	Y	48	47.4	48

Depth_m	Calc_Eievatio	Group	Formation	Member
	191.2	Horton	Albert	
	189.2	Horton	Albert	
43.8912	51.61	Horton	Albert	
44	-4.59	Horton	Albert	Fredericks Bro
44	-27.27	Horton	Albert	Fredericks Bro
44	16.91	Horton	Albert	Hiram Brook
	190.6	Horton	Albert	
	188.6	Horton	Albert	
	206.5	Horton	Albert	
	200.5	Horton	Albert	
44.81	58.82	Horton	Albert	Fredericks Bro
44.95	18.05	Horton	Albert	Fredericks Bro
	190	Horton	Albert	
	188	Horton	Albert	
45.1104	50.39	Horton	Albert	
45.11	17.89	Horton	Albert	Fredericks Bro
	199.5	Horton	Albert	
	189.4	Horton	Albert	
	187.4	Horton	Albert	
45.72	15.24	Pictou		
45.72	54.86	Pictou		
45.72	108.2	Pictou		
45.72	30.48	Pictou		
46	-6.59	Horton	Albert	Fredericks Bro
46	-29.27	Horton	Albert	Fredericks Bro
46	14.91	Horton	Albert	Hiram Brook
	188.8	Horton	Albert	
	186.8	Horton	Albert	
46.3296	49.17	Horton	Albert	
46.33		Horton	Albert	
	198.5	Horton	Albert	
	188.2	Horton	Albert	
	186.2	Horton	Albert	
46.94	-7.32	Pictou		
	187.6	Horton	Albert	
	185.6	Horton	Albert	
47.5488	47.95	Horton	Albert	
	187	Horton	Albert	

Sample_Description
grey Sandstone, quartzose
brown to black Shale, kerogenous
Dolomite, argillaceous, medium grey brown to grey green, thinly laminated to
light grey to grey Claystone, regular thick laminations to thinly bedded, highly f
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black Claystone, 90% calcareous-dolomitic, massive to thickly la
grey Sandstone, quartzose, brown Shale, kerogenous
60% brown Shale, kerogenous, 40% grey to brown Sandstone with kerogeno
10% blue to grey Sandstone quartzose, 40% brown kerogenous Shale and 60
30% brown to grey Siltstone, kerogenous, 70% brown Shale, kerogenous
Marlstone, dark greyish-brown, dolomitic, slight burning odour, no smoke or fl
Siltstone medium grey dolomitic, Dolomitic Marstone light brown kerogenous
grey Sandstone, quartzose
grey to brown Sandstone with kerogenous stringers
Dolomite, argillaceous, medium grey brown, thinly laminated to banded, locall
Dolomitic Marstone light brown, kerogenous
90% brown Shale, kerogenous, 10% brown to grey Siltstone, kerogenous
grey Sandstone, quartzose to blue with kerogenous stringers
grey to brown Sandstone with kerogenous stringers
98% lithic Sandstone, 2% Coal
60% quartzose Sandstone, 20% polymitic Conglomerate, 10% Coal, 10% pyri
90% lithic Sandstone with pyrite cement, 10% poor Coal
???SAMPLE BELOW END OF HOLE???
light grey to grey Claystone, regular thick laminations to thinly bedded, highly f
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black Claystone, 90% calcareous-dolomitic, massive to thickly la
brown Siltstone and Sandstone kerogenous
grey to brown Sandstone with kerogenous stringers
Dolomite, argillaceous, medium grey brown, thinly laminated to banded, locall
Siltstone grey to green grey
60% brown to grey Siltstone, kerogenous, 40% grey Sandstone locally calcar
brown Sandstone, kerogenous
grey to brown Sandstone with kerogenous stringers
Lithic Sandstone with minor coal and plant fragments
brown Sandstone, Sltstone and Shale layers, local kerogenous
30% grey to brown Sandstone with kerogenous stringers, 70% brown Shale,
Dolomite, argillaceous, medium grey brown, thinly laminated to banded, locall
brown Sandstone, Sltstone and Shale layers

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
1493	361	Rosevale #4-07631	18	Y	48	47.4	48
1846	691	48	31	Y	48		
2008	692	48	31	Y	48		
2241	693	48	31	Y	48		
1330	359	Rosevale #2-08642	18	Y	48.6	48	48.6
1494	361	Rosevale #4-09899	18	Y	48.6	48	48.6
772	351	C.A. -36	27	Y	48.77		
1790	610	Test Hole 32	14	Y	48.77		
1805	643	Test Hole 31	14	Y	48.77		
6	16	SNCL-F-2 (11)	15	Y	49.07		
875	354	Cartago Dover #1 -49.07	10	Y	49.07		
1331	359	Rosevale #2-08643	18	Y	49.2	48.6	49.2
1495	361	Rosevale #4-07611	18	Y	49.2	48.6	49.2
1332	359	Rosevale #2-08644	18	Y	49.8	49.2	49.8
1496	361	Rosevale #4-07612	18	Y	49.8	49.2	49.8
773	351	C.A. -37	27	Y	49.99		
1026	356	PEX Dover 2 -201	11	Y	50	48.5	50
1847	691	50	31	Y	50		
2009	692	50	31	Y	50		
2242	693	50	31	Y	50		
1333	359	Rosevale #2-08645	18	Y	50.4	49.8	50.4
1497	361	Rosevale #4-07613	18	Y	50.4	49.8	50.4
622	330	Arco Dover 1A -51	28	Y	51		
1334	359	Rosevale #2-08646	18	Y	51	50.4	51
1498	361	Rosevale #4-07614	18	Y	51	50.4	51
774	351	C.A. -38	27	Y	51.21		
1027	356	PEX Dover 2 -202	11	Y	51.5	50	51.5
1335	359	Rosevale #2-08647	18	Y	51.6	51	51.6
1499	361	Rosevale #4-07615	18	Y	51.6	51	51.6
1752	540	Test Hole 77	14	Y	51.82		
1797	624	Test Hole 21	14	Y	51.82		
1848	691	52	31	Y	52		
2010	692	52	31	Y	52		
2243	693	52	31	Y	52		
877	354	Cartago Dover #1 -52.12	10	Y	52.12		
1336	359	Rosevale #2-08648	18	Y	52.2	51.6	52.2
1500	361	Rosevale #4-07616	18	Y	52.2	51.6	52.2
775	351	C.A. -39	27	Y	52.43		

Depth_m	Calc_Elevatio	Group	Formation	Member
	185	Horton	Albert	
48	-8.59	Horton	Albert	Fredericks Bro
48	-31.27	Horton	Albert	Fredericks Bro
48	12.91	Horton	Albert	Hiram Brook
	186.4	Horton	Albert	
	184.4	Horton	Albert	
48.768	46.73	Horton	Albert	
48.77	121.92	Pictou		
48.77	57	Pictou		
49.07	62.93	Pictou	Minto	
49.07	13.93	Horton	Albert	Fredericks Bro
	185.8	Horton	Albert	
	183.8	Horton	Albert	
	185.2	Horton	Albert	
	183.2	Horton	Albert	
49.9872	45.51	Horton	Albert	
49.25	-5.39	Horton	Albert	Fredericks Bro
50	-10.6	Horton	Albert	Fredericks Bro
50	-33.27	Horton	Albert	Fredericks Bro
50	10.91	Horton	Albert	Hiram Brook
	184.6	Horton	Albert	
	182.6	Horton	Albert	
51	8.45	Horton	Albert	
	184	Horton	Albert	
	182	Horton	Albert	
51.2064	44.29	Horton	Albert	
50.75	-6.89	Horton	Albert	Fredericks Bro
	183.4	Horton	Albert	
	181.4	Horton	Albert	
51.82	-5.8	Pictou		
51.82	-37.19	Pictou		
52	-12.6	Horton	Albert	Fredericks Bro
52	-35.27	Horton	Albert	Fredericks Bro
52	8.91	Horton	Albert	Hiram Brook
52.12	10.88	Horton	Albert	Fredericks Bro
	182.8	Horton	Albert	
	180.8	Horton	Albert	
52.4256	43.07	Horton	Albert	

Sample_Description
80% brown Shale, kerogenous, 20% grey quartzose Sandstone
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to brey brown Dolomite, thickly to thinly laminated, locally brownish
60% brown Sandstone, Sltstone and Shale layers, 40% brown Siltstone, kero
interbedded grey quartzose Sandstone and brown to black kerogenous Shale
Shale dolomitic, medium grey brown, thinly laminated to banded, shale locally
40% lithic Sandstone, 30% Siltstone, 25% Shale, 5% Coal
85% Sandstone, 5% Conglomerate, 5% Siltstone, 5% Coal
alternating grey Sandstone and Mudstone
Marlstone, brown, laminated kerogenous
brown Siltstone, kerogenous
black to brown Shale, kerogenous
brown Siltstone, kerogenous
interbedded brown kerogenous Shale and blue dolomitic Siltstone
Shale dolomitic, medium grey brown, thinly laminated to banded, shale locally
Silty Shale, grey, finely interlaminated with tan, common kerogen laminae, oc
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
brown Siltstone, kerogenous
interbedded grey quartzose Sandstone and brown kerogenous Shale
Shale brown-grey, dolomitic, chunky
brown Siltstone, kerogenous
interbedded grey quartzose Sandstone, brown kerogenous Shale and blue do
Shale dolomitic, dark grey brown, thinly laminated wavy
Silty Shale, grey, finely interlaminated with tan, common kerogen laminae, oc
interbedded grey Sandstone and brown kerogenous Shale
50% brown kerogenous Shale and grey intraformational Conglomerate
70% lithic Sandstone, 10% polymitic Conglomerate, 20% Coal, abundant pyrit
95% quartzose Sandstone, 5% Siltstone grey and red, trace Coal
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
Siltstone brown, kerogenous calcareous
60% brown Siltstone, kerogenous stringers, 40% grey Sandstone
interbedded grey calcareous quartzose Sandstone, brown kerogenous Shale
Shale dolomitic, dark grey brown, thinly laminated wavy

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1648	363	Rosevale #6-08574	18	Y	52.6	52	52.6
1337	359	Rosevale #2-08649	18	Y	52.8	52.2	52.8
1501	361	Rosevale #4-07617	18	Y	52.8	52.2	52.8
638	340	L390-20 - Arco Rosevale1 - Samp	26	Y	53.11	53	53.11
1649	363	Rosevale #6-08575	18	Y	53.2	52.6	53.2
1338	359	Rosevale #2-08650	18	Y	53.4	52.8	53.4
1502	361	Rosevale #4-07618	18	Y	53.4	52.8	53.4
1028	356	PEX Dover 2 -203	11	Y	53.44	51.5	53.44
776	351	C.A. -40	27	Y	53.64		
1650	363	Rosevale #6-08576	18	Y	53.8	53.2	53.8
1339	359	Rosevale #2-08651	18	Y	54	53.4	54
1503	361	Rosevale #4-07619	18	Y	54	53.4	54
1849	691	54	31	Y	54		
2011	692	54	31	Y	54		
2244	693	54	31	Y	54		
1651	363	Rosevale #6-08577	18	Y	54.4	53.8	54.4
1340	359	Rosevale #2-08652	18	Y	54.6	54	54.6
1504	361	Rosevale #4-09900	18	Y	54.6	54	54.6
777	351	C.A. -41	27	Y	54.86		
1710	414	C-401235	24	Y	54.86	48.77	54.86
1715	450	Test Hole 158	14	Y	54.86		
1736	508	Test Hole 100	14	Y	54.86		
1770	573	Test Hole 163	14	Y	54.86		
1782	594	Test Hole 54	14	Y	54.86		
1652	363	Rosevale #6-08578	18	Y	55	54.4	55
1506	361	Rosevale #4-07601	18	Y	55.2	54.6	55.2
1505	359	Rosevale #2-08653	18	Y	55.4	54.6	55.4
1653	363	Rosevale #6-08579	18	Y	55.6	55	55.6
1507	361	Rosevale #4-07602	18	Y	55.8	55.2	55.8
1341	359	Rosevale #2-08619	18	Y	56	55.4	56
1850	691	56	31	Y	56		
2012	692	56	31	Y	56		
2245	693	56	31	Y	56		
778	351	C.A. -42	27	Y	56.08		
1508	361	Rosevale #4-07603	18	Y	56.4	55.8	56.4
1342	359	Rosevale #2-07642	18	Y	56.6	56	56.6
728	349	C-A7 -186	3	Y	56.69		
1509	361	Rosevale #4-07604	18	Y	57	56.4	57

Depth_m	Calc_Elevatio	Group	Formation	Member
	192.4	Horton	Albert	
	182.2	Horton	Albert	
	180.2	Horton	Albert	
53.1	96.24	Horton	Albert	
	191.8	Horton	Albert	
	181.6	Horton	Albert	
	179.6	Horton	Albert	
52.47	-8.83	Horton	Albert	Fredericks Bro
53.6448	41.86	Horton	Albert	
	191.2	Horton	Albert	
	181	Horton	Albert	
	179	Horton	Albert	
54	-14.6	Horton	Albert	Fredericks Bro
54	-37.27	Horton	Albert	Fredericks Bro
54	6.91	Horton	Albert	Hiram Brook
	190.6	Horton	Albert	
	180.4	Horton	Albert	
	178.4	Horton	Albert	
54.864	40.64	Horton	Albert	
	-25.9	Cumberland	Grande Anse	
54.86	24.08	Pictou		
54.86	35.06	Pictou		
54.86	88.4	Pictou		
54.86	32.01	Pictou		
	190	Horton	Albert	
	177.8	Horton	Albert	
	179.6	Horton	Albert	
	189.4	Horton	Albert	
	177.2	Horton	Albert	
	179	Horton	Albert	
56	-16.6	Horton	Albert	Fredericks Bro
56	-39.27	Horton	Albert	Fredericks Bro
56	4.91	Horton	Albert	Hiram Brook
56.0832	39.42	Horton	Albert	
	176.6	Horton	Albert	
	178.4	Horton	Albert	
56.69	72.85	Horton	Albert	
	176	Horton	Albert	

Sample_Description
brown Siltstone, kerogenous
brown Siltstone, kerogenous stringers
brown Shale, kerogenous
Parallel laminations, micro laminations, lenticular laminations of silt, medium
grey Sandstone
brown Siltstone, kerogenous stringers
brown Shale, kerogenous local grey quartzose Sandstone
Silty Shale, grey, finely interlaminated with tan, common kerogen laminae, oc
Shale dolomitic, medium to dark grey green, thinly laminated, extensively she
brown Shale, kerogenous, minor grey Sandstone
brown intraformational Conglomerate, plant fragments and kerogenous string
brown Shale, kerogenous local grey quartzose Sandstone
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
brown Shale, kerogenous, minor grey Sandstone
brown intraformational Conglomerate, plant fragments and kerogenous string
brown Shale, kerogenous
Shale dolomitic, medium to dark grey green, thinly laminated, extensively she
60% Quartzose Lithic Sandstone, 40% Siltstone, minor Conglomerate
80% calcareous lithic Sandstone, 5% Shale, 5% limestone, 10% Coal
50% polymitic Conglomerate, 40% lithic Sandstone, 5% pyrite chips, 5% Coal
65% lithic Sandstone, 15% polymitic Conglomerate calcareous, 15% Coal, 5
75% lithic Sandstone, 10% polymitic Conglomerate, 15% Coal
grey Sandstone
brown Shale, kerogenous
brown intraformational Conglomerate, plant fragments and kerogenous string
50% grey Sandstone, 50% brown Shale, kerogenous
brown Shale, kerogenous, and grey quartzose Sandstone
brown intraformational Conglomerate, plant fragments and kerogenous string
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
Shale dolomitic, medium to dark grey green, thinly laminated, extensively she
grey quartzose Sandstone, brown Sandstone
brown 50% intraformational Conglomerate, 50% Siltstone kerogenous
Sandstone and Siltstone dark grey <=1.3cm laminations
brown to blue Shale, kerogenous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1343	359	Rosevale #2-07643	18	Y	57.2	56.6	57.2
779	351	C.A. -43	27	Y	57.3		
1510	361	Rosevale #4-07605	18	Y	57.6	57	57.6
1344	359	Rosevale #2-07644	18	Y	57.8	57.2	57.8
138	99	Apohaqui 1 -57.9	4	Y	57.9		
1749	534	Test Hole 67	14	Y	57.91		
1760	558	Test Hole 225	14	Y	57.91		
1789	604	Test Hole 62	14	Y	57.91		
1419	360	Rosevale #3-10230	18	Y	58	57	58
1851	691	58	31	Y	58		
2013	692	58	31	Y	58		
2246	693	58	31	Y	58		
1511	361	Rosevale #4-07606	18	Y	58.2	57.6	58.2
1345	359	Rosevale #2-07645	18	Y	58.4	57.8	58.4
780	351	C.A. -44	27	Y	58.52		
1512	361	Rosevale #4-07607	18	Y	58.8	58.2	58.8
1346	359	Rosevale #2-07646	18	Y	59	58.4	59
1420	360	Rosevale #3-10231	18	Y	59	58	59
1570	362	Rosevale #5-10285	18	Y	59	58	59
879	354	Cartago Dover #1 -59.05	10	Y	59.05		
1513	361	Rosevale #4-07608	18	Y	59.4	58.8	59.4
880	354	Cartago Dover #1 -59.43	10	Y	59.43		
9	25	Test Hole 299	14	Y	59.44		
1347	359	Rosevale #2-07647	18	Y	59.6	59	59.6
781	351	C.A. -45	27	Y	59.74		
882	354	Cartago Dover #1 -59.78	10	Y	59.78		
1421	360	Rosevale #3-10232	18	Y	60	59	60
1514	361	Rosevale #4-07609	18	Y	60	59.4	60
1571	362	Rosevale #5-10286	18	Y	60	59	60
1852	691	60	31	Y	60		
2014	692	60	31	Y	60		
2247	693	60	31	Y	60		
1029	356	PEX Dover 2 -204	11	Y	60.03	58.59	60.03
1348	359	Rosevale #2-07648	18	Y	60.2	59.6	60.2
1515	361	Rosevale #4-07610	18	Y	60.6	60	60.6
8	23	Test Hole 297	14	Y	60.66		
1349	359	Rosevale #2-07649	18	Y	60.8	60.2	60.8
782	351	C.A. -46	27	Y	60.96		

Depth_m	Calc_Elevatio	Group	Formation	Member
	177.8	Horton	Albert	
57.3024	38.2	Horton	Albert	
	175.4	Horton	Albert	
	177.2	Horton	Albert	
57.9	96.94	Horton	Albert	
57.91	-37.93	Pictou		
57.91	33.53	Pictou		
57.91	37.8	Pictou		
	166	Horton	Albert	
58	-18.6	Horton	Albert	Fredericks Bro
58	-41.27	Horton	Albert	Fredericks Bro
58	2.91	Horton	Albert	Hiram Brook
	174.8	Horton	Albert	
	176.6	Horton	Albert	
58.52	36.98	Horton	Albert	
	174.2	Horton	Albert	
	176	Horton	Albert	
	165	Horton	Albert	
	176	Horton	Albert	
59.05	3.95	Horton	Albert	Fredericks Bro
	173.6	Horton	Albert	
59.43	3.57	Horton	Albert	Fredericks Bro
59.44	54.86	Pictou		
	175.4	Horton	Albert	
59.7408	35.76	Horton	Albert	
59.78	3.22	Horton	Albert	Fredericks Bro
	164	Horton	Albert	
	173	Horton	Albert	
	175	Horton	Albert	
60	-20.6	Horton	Albert	Fredericks Bro
60	-43.27	Horton	Albert	Fredericks Bro
60	0.91	Horton	Albert	Hiram Brook
59.32	-15.42	Horton	Albert	Fredericks Bro
	174.8	Horton	Albert	
	172.4	Horton	Albert	
60.66	-53.04	Pictou		
	174.2	Horton	Albert	
60.96	34.54	Horton	Albert	

Sample_Description
brown Siltstone kerogenous
Shale dolomitic, medium to dark grey green, thinly laminated, extensively she
brown to blue Shale, kerogenous
brown Siltstone kerogenous
Shale black grey, NB
40% quartzose Sandstone, 20% polymitic Conglomerate, 10% Shale, 20% py
50% Siltstone, 50% Shale minor Sandstone and Conglomerate
90% lithic Sandstone, calcareous, 3% Coal, 7% detritus
interlayered grey intraformational Conglomerate, black kerogenous Shale and
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
brown to blue Shale, kerogenous and brown Sandstone, kerogenous stringer
brown Siltstone kerogenous with bed of grey brown Sandstone
Shale dolomitic, medium to dark grey green, extensively fractured
brown Sandstone, kerogenous stringers
intrabedded brown Siltstone kerogenous and grey brown Sandstone
15% black dolomitic Siltstone, 85% grey brown Sandstone
50% blue to brown Shale, kerogenous, 50% grey Sandstone, quartzose, kero
Marlstone, brown, laminated kerogenous
brown Shale, kerogenous
Marlstone, brown, laminated kerogenous
30% Sltst, 70% Sh, minor coal, black Sh, pyrite and pyritized plant fragments
intrabedded grey brown Sandstone and brown Siltstone kerogenous
Shale dolomitic, medium to dark grey green, extensively fractured
Marlstone, brown, laminated kerogenous
grey brown Sandstone
brown Shale, kerogenous
60% brown to grey Sandstone, quartzose, 40% brown to grey Shale
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
Siltstone grey occasional kerogenous marlstone, occasional pyrite bands
intrabedded grey brown Sandstone and brown Siltstone kerogenous
brown Shale, kerogenous
80% polymictic Cgl, 15% lithic Ss, 5% Coal
brown to black Siltstone kerogenous
Shale dolomitic, medium to dark grey green, extensively fractured

General_Note	Sample_Type	Palynology
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	Cuttings	☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
1700	377	Test Hole 254	14	Y	60.96		
1712	428	Test Hole 194	14	Y	60.96		
1745	524	Test Hole 72	14	Y	60.96		
1750	536	Test Hole 69	14	Y	60.96		
1422	360	Rosevale #3-10233	18	Y	61	60	61
1572	362	Rosevale #5-10287	18	Y	61	60	61
1127	357	PEX Boudreau 1 -61.2	10	Y	61.2		
1350	359	Rosevale #2-07650	18	Y	61.4	60.8	61.4
1351	359	Rosevale #2-07651	18	Y	62	61.4	62
1423	360	Rosevale #3-10234	18	Y	62	61	62
1573	362	Rosevale #5-10288	18	Y	62	61	62
1853	691	62	31	Y	62		
2015	692	62	31	Y	62		
2248	693	62	31	Y	62		
1030	356	PEX Dover 2 -205	11	Y	62.1	60.03	62.1
783	351	C.A. -47	27	Y	62.18		
1195	358	Rosevale #1-10215	18	Y	62.5	61.5	62.5
1352	359	Rosevale #2-07652	18	Y	62.6	62	62.6
1424	360	Rosevale #3-10235	18	Y	63	62	63
1574	362	Rosevale #5-10289	18	Y	63	62	63
1353	359	Rosevale #2-07653	18	Y	63.2	62.6	63.2
1129	357	PEX Boudreau 1 -63.3	10	Y	63.3		
784	351	C.A. -48	27	Y	63.4		
1196	358	Rosevale #1-10216	18	Y	63.5	62.5	63.5
883	354	Cartago Dover #1 -63.55	10	Y	63.55		
1654	363	Rosevale #6-08580	18	Y	63.6	63	63.6
1128	357	PEX Boudreau 1 -3137	11	Y	63.74	62.21	63.74
1354	359	Rosevale #2-07654	18	Y	63.8	63.2	63.8
139	99	Apohaqui 1 -64.0	4	Y	64		
1425	360	Rosevale #3-10236	18	Y	64	63	64
1575	362	Rosevale #5-10290	18	Y	64	63	64
1827	2000	70-V-3	30	Y	64		
1854	691	64	31	Y	64		
2016	692	64	31	Y	64		
2249	693	64	31	Y	64		
1655	363	Rosevale #6-08581	18	Y	64.2	63.6	64.2
1355	359	Rosevale #2-07655	18	Y	64.4	63.8	64.4
1197	358	Rosevale #1-10217	18	Y	64.5	63.5	64.5

Depth_m	Calc_Elevatio	Group	Formation	Member
60.96	-46.02	Cumberland	Boss Point	
60.96	46.02	Pictou		
60.96	-44.5	Pictou		
60.96	-11.89	Pictou		
	163	Horton	Albert	
	174	Horton	Albert	
61.2	-52.700001	Horton	Albert	
	173.6	Horton	Albert	
	173	Horton	Albert	
	162	Horton	Albert	
	173	Horton	Albert	
62	-22.6	Horton	Albert	Fredericks Bro
62	-45.27	Horton	Albert	Fredericks Bro
62	-1.09	Horton	Albert	Hiram Brook
61.07	-17.49	Horton	Albert	Fredericks Bro
62.1792	33.32	Horton	Albert	
	188.5	Horton	Albert	
	172.4	Horton	Albert	
	161	Horton	Albert	
	172	Horton	Albert	
	171.8	Horton	Albert	
63.3	-54.799999	Horton	Albert	
63.3984	32.1	Horton	Albert	
	187.5	Horton	Albert	
63.55	-0.55	Horton	Albert	Fredericks Bro
	181.4	Horton	Albert	
62.93	-55.240002	Horton	Albert	
	171.2	Horton	Albert	
64	90.84	Horton	Albert	
	160	Horton	Albert	
	171	Horton	Albert	
64	21	Cumberland	Boss Point	
64	-24.6	Horton	Albert	Fredericks Bro
64	-47.27	Horton	Albert	Fredericks Bro
64	-3.09	Horton	Albert	Hiram Brook
	180.8	Horton	Albert	
	170.6	Horton	Albert	
	186.5	Horton	Albert	

Sample_Description
50% Quartzose Sandstone, 35% polymictic Conglomerate, 15% Coal
40% polymictic Conglomerate, 40% Lithic Sandstone, 10% Coal, 10% Pryite
90% Quartz, clear milky and red, 10% red Sandstone
60% polymitic Conglomerate, 39% feldspathic Sandstone, 1% Coal
interlayered grey intraformational Conglomerate, black kerogenous Shale and
20% brown Sandstone, 60% blue to brown Siltstone, 20% brown Shale, kerog
Siltstone grey to grey green, with dark brown to black fracture filling veinlets o
black to brown Shale kerogenous
black to brown Shale kerogenous
grey intraformational Conglomerate lithic
40% brown Shale, kerogenous, 60% blue to brown Siltstone, kerogenous stri
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
Dolomitic marlstone, finely laminated, kerogen layers, calcite crystals in band
Shale dolomitic, medium to dark grey green, highly fractured, laminae wavy, c
brown to grey Conglomerate, 10% kerogenous stringers, minor fish fossils an
brown Shale kerogenous
brown to black kerogenous, 40% Sandstone, 60% Shale
30% grey Sandstone, kerogenous stringers, 70% blue to brown Siltstone, ker
brown Shale kerogenous with minor grey Sandstone with kerogenous stringer
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
Shale dolomitic, grey green medium grey brown, thinly laminated to finely lami
brown to grey Conglomerate, 10% kerogenous stringers, minor fish fossils an
Shale black weakly dolomitic and mudstone
grey Siltstone
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
brown Shale kerogenous
Shale black grey, NB
30% grey quartzose Sandstone, 70% black kerogenous Siltstone
85% grey Sandstone, quartzose, 15% brown Shale, kerogenous
Coalified plant material(Vitrain) in fine to medium grained, grey sandstone co
grey to light grey Claystone, dolomitic, regular laminations locally contorted an
grey to dark grey Dolomite regular thick laminations, locally massive, some co
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
grey Siltstone
brown Shale kerogenous
brown to grey Conglomerate, 10% kerogenous stringers, minor fish fossils an

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_
785	351	C.A. -49	27	Y	64.62		
1131	357	PEX Boudreau 1 -64.8	10	Y	64.8		
1656	363	Rosevale #6-08582	18	Y	64.8	64.2	64.8
1356	359	Rosevale #2-07656	18	Y	65	64.4	65
1426	360	Rosevale #3-10237	18	Y	65	64	65
1130	357	PEX Boudreau 1 -3138	11	Y	65.28	63.74	65.28
1133	357	PEX Boudreau 1 -65.3	10	Y	65.3		
1657	363	Rosevale #6-08583	18	Y	65.4	64.8	65.4
1198	358	Rosevale #1-10218	18	Y	65.5	64.5	65.5
1357	359	Rosevale #2-07657	18	Y	65.6	65	65.6
786	351	C.A. -50	27	Y	65.84		
1427	360	Rosevale #3-10238	18	Y	66	65	66
1658	363	Rosevale #6-08584	18	Y	66	65.4	66
1855	691	66	31	Y	66		
2017	692	66	31	Y	66		
2250	693	66	31	Y	66		
2356	694	66	31	Y	66		
127	96	LM8-1	1	Y	66.2	60.3	66.2
1358	359	Rosevale #2-07658	18	Y	66.2	65.6	66.2
3737	356	PEX Dover #2-3051	11	Y	66.48	64.35	66.48
1199	358	Rosevale #1-10219	18	Y	66.5	65.5	66.5
1135	357	PEX Boudreau 1 -3139	11	Y	66.7	65.28	66.7
1359	359	Rosevale #2-07659	18	Y	66.8	66.2	66.8
1576	362	Rosevale #5-10291	18	Y	67	66	67
1	5	Test Hole 293	14	Y	67.06		
787	351	C.A. -51	27	Y	67.06		
3691	330	70-220'	21	Y	67.06	21.336	67.056
1360	359	Rosevale #2-07660	18	Y	67.4	66.8	67.4
1200	358	Rosevale #1-10220	18	Y	67.5	66.5	67.5
3738	356	PEX Dover #2-3052	11	Y	67.98	66.48	67.98
1361	359	Rosevale #2-07661	18	Y	68	67.4	68
1577	362	Rosevale #5-10292	18	Y	68	67	68
1856	691	68	31	Y	68		
2018	692	68	31	Y	68		
2251	693	68	31	Y	68		
2357	694	68	31	Y	68		
1136	357	PEX Boudreau 1 -3140	11	Y	68.2	66.7	68.2
788	351	C.A. -52	27	Y	68.28		

Depth_m	Calc_Elevatio	Group	Formation	Member
64.6176	30.88	Horton	Albert	
64.8	-56.299999	Horton	Albert	
	180.2	Horton	Albert	
	170	Horton	Albert	
	159	Horton	Albert	
64.5	-56.779999	Horton	Albert	
65.3	-56.799999	Horton	Albert	
	179.6	Horton	Albert	
	185.5	Horton	Albert	
	169.4	Horton	Albert	
65.8368	29.66	Horton	Albert	
	158	Horton	Albert	
	179	Horton	Albert	
66	-26.6	Horton	Albert	Fredericks Bro
66	-49.27	Horton	Albert	Fredericks Bro
66	-5.09	Horton	Albert	Hiram Brook
66	2.41	Horton	Albert	Fredericks Bro
	63.8	Horton	Albert	
	168.8	Horton	Albert	
	-21.87	Horton	Albert	Fredericks Bro
	184.5	Horton	Albert	
65.99	-58.200001	Horton	Albert	
	168.2	Horton	Albert	
	168	Horton	Albert	
67.06	-45.72	Pictou		
67.056	28.44	Horton	Albert	
	-47.55	Cumberland	Boss Point	
	167.6	Horton	Albert	
	183.5	Horton	Albert	
	-23.37	Horton	Albert	Fredericks Bro
	167	Horton	Albert	
	167	Horton	Albert	
68	-28.6	Horton	Albert	Fredericks Bro
68	-51.27	Horton	Albert	Fredericks Bro
68	-7.09	Horton	Albert	Hiram Brook
68	0.41	Horton	Albert	Fredericks Bro
67.45	-59.700001	Horton	Albert	
68.2752	27.22	Horton	Albert	

Sample_Description
Shale dolomitic, grey green medium grey brown, thinly laminated to finely lami
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
grey Siltstone
brown Shale kerogenous
grey Sandstone quartzose, pyritic
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
grey Siltstone
brown to grey Conglomerate, 10% kerogenous stringers, minor fish fossils an
brown Shale kerogenous
Shale dolomitic, grey green medium grey brown, thinly laminated to finely lami
50% black to brown Shale, kerogenous, 30% black Siltstone, 20% grey Sand
grey Siltstone
light grey Claystone, brecciated, dolomitic, highly fractured, trace pyrite and c
light grey to dark grey Claystone, calcareous massive dark grey interbeds
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
grey black Claystone trace limestone stringers
23-75% vitreous hydrocarbon disseminated in silty hydrocarbon; Grey black,
brown Shale kerogenous
Dolomitic marlstone, finely laminated, kerogen layers, calcite crystals in band
brown to grey Conglomerate, 10% kerogenous stringers, minor fish fossils an
Siltstone grey green, with dark brown to black fracture filling veinlets of possib
brown Shale kerogenous with minor grey Sandstone
grey Sandstone, quartzose, kerogenous stringers
5% polymictic Cgl, 15%lithic Ss, 75%Sltst, 5% Coal
Shale medium dark grey green, highly fractured, thinly laminated, some wavy
black Shale kerogenous
70% brown to grey Conglomerate, minor fish fossils and plant fragments, 30
Dolomitic marlstone, finely laminated, kerogen layers, calcite crystals in band
black Shale kerogenous
20% grey Sandstone, quartzose, kerogenous stringers, 80% brown to grey S
light grey Claystone, brecciated, dolomitic, highly fractured, trace pyrite and c
light grey to dark grey Claystone, calcareous massive dark grey interbeds
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
grey to dark grey and brownish, 80% Claystone, dolomitic, regular thick to thi
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
Shale medium dark grey green, highly fractured, thinly laminated, some wavy

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1201	358	Rosevale #1-10221	18	Y	68.5	67.5	68.5
706	348	C-A6 -225	3	Y	68.58		
1362	359	Rosevale #2-07662	18	Y	68.6	68	68.6
1659	363	Rosevale #6-08593	18	Y	68.6	68	68.6
1138	357	PEX Boudreau 1 -69.0	10	Y	69		
1578	362	Rosevale #5-10293	18	Y	69	68	69
549	345	C-A2 -227	3	Y	69.19		
1363	359	Rosevale #2-07663	18	Y	69.2	68.6	69.2
1660	363	Rosevale #6-08594	18	Y	69.2	68.6	69.2
3739	356	PEX Dover #2-3053	11	Y	69.48	67.98	69.48
789	351	C.A. -53	27	Y	69.49		
1202	358	Rosevale #1-10222	18	Y	69.5	68.5	69.5
1137	357	PEX Boudreau 1 -3141	11	Y	69.7	68.2	69.7
885	354	Cartago Dover #1 -69.79	10	Y	69.79		
1364	359	Rosevale #2-07664	18	Y	69.8	69.2	69.8
1661	363	Rosevale #6-08595	18	Y	69.8	69.2	69.8
1579	362	Rosevale #5-10294	18	Y	70	69	70
1857	691	70	31	Y	70		
2019	692	70	31	Y	70		
2252	693	70	31	Y	70		
2358	694	70	31	Y	70		
1810	671	Test Hole 71	14	Y	70.1		
1365	359	Rosevale #2-07665	18	Y	70.4	69.8	70.4
1662	363	Rosevale #6-08596	18	Y	70.4	69.8	70.4
1203	358	Rosevale #1-10223	18	Y	70.5	69.5	70.5
886	354	Cartago Dover #1 -70.56	10	Y	70.56		
790	351	C.A. -54	27	Y	70.71		
888	354	Cartago Dover #1 -70.71	10	Y	70.71		
3740	356	PEX Dover #2-3054	11	Y	70.98	69.48	70.98
1366	359	Rosevale #2-07666	18	Y	71	70.4	71
1663	363	Rosevale #6-08597	18	Y	71	70.4	71
1140	357	PEX Boudreau 1 -3142	11	Y	71.2	69.7	71.2
1204	358	Rosevale #1-10224	18	Y	71.5	70.5	71.5
1367	359	Rosevale #2-07667	18	Y	71.6	71	71.6
1664	363	Rosevale #6-08598	18	Y	71.6	71	71.6
889	354	Cartago Dover #1 -71.62	10	Y	71.62		
3	10	Test Hole 307	14	Y	71.63		
94	39	A-U1 -236	3	Y	71.93		

Depth_m	Calc_Elevatio	Group	Formation	Member
	182.5	Horton	Albert	
68.58	51.82	Horton	Albert	
	166.4	Horton	Albert	
	176.4	Horton	Albert	
69	-60.5	Horton	Albert	
	166	Horton	Albert	
69.19	34.44	Horton	Albert	Fredericks Bro
	165.8	Horton	Albert	
	175.8	Horton	Albert	
	-24.87	Horton	Albert	Fredericks Bro
69.4944	26.01	Horton	Albert	
	181.5	Horton	Albert	
68.95	-61.200001	Horton	Albert	
69.79	-6.79	Horton	Albert	Fredericks Bro
	165.2	Horton	Albert	
	175.2	Horton	Albert	
	165	Horton	Albert	
70	-30.6	Horton	Albert	Fredericks Bro
70	-53.27	Horton	Albert	Fredericks Bro
70	-9.09	Horton	Albert	Hiram Brook
70	-1.59	Horton	Albert	Fredericks Bro
70.1	-36.27	Pictou		
	164.6	Horton	Albert	
	174.6	Horton	Albert	
	180.5	Horton	Albert	
70.56	-7.56	Horton	Albert	Fredericks Bro
70.7136	24.79	Horton	Albert	
70.71	-7.71	Horton	Albert	Fredericks Bro
	-26.37	Horton	Albert	Fredericks Bro
	164	Horton	Albert	
	174	Horton	Albert	
70.45	-62.700001	Horton	Albert	
	179.5	Horton	Albert	
	163.4	Horton	Albert	
	173.4	Horton	Albert	
71.62	-8.62	Horton	Albert	Fredericks Bro
71.63	57.3	Pictou		
71.93	95.71	Horton	Albert	

Sample_Description
50% brown to grey Conglomerate, minor fish fossils and plant fragments, 30
Shale to Claystone bands dark grey and tan
black Shale kerogenous
grey to brown Sandstone, kerogenous
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
brown to grey Shale, kerogenous
Marlstone, dark greyish-brown, dolomitic, slight burning odour, no smoke or fl
black Sandstone kerogenous
grey to brown Sandstone, kerogenous
Dolomitic marlstone, finely laminated, kerogen layers, calcite crystals in band
Shale dolomitic medium grey brown, thinly laminated to banded, contorted
70% brown to black Conglomerate, minor fish fossils and plant fragments, 30
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
Siltstone light grey, calcareous with interbeds of fine grained sandstone and b
black Sandstone kerogenous
interbedded blue Sandstone, kerogenous and brown Shale, kerogenous
10% brown to grey Shale, kerogenous, 50% blue dolomitic Siltstone, 40% gre
dark grey to brownish Dolomite, dolomitic, regular thin laminations, trace brow
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
grey to dark grey and brownish, 80% Claystone, dolomitic, regular thick to thi
100% Conglomerate, minor coal plant fragments, minor pyrite
60% grey Sandstone quartzose, 40% brown to blue Shale kerogenous
interbedded blue Sandstone, kerogenous and brown Shale, kerogenous
brown to black Conglomerate, kerogenous stringers, minor fish fossils and pl
Marlstone, brown, laminated kerogenous
Shale dolomitic medium grey brown, thinly laminated to banded, contorted
Marlstone, brown, laminated kerogenous
Siltstone, grey to grey brown, dolomitic, bituminous odour
grey Sandstone calcareous
brown Shale, kerogenous
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
50% brown to black Sandstone, 25% blue Siltstone, dolomitic, 25% brown to
brown to black Shale kerogenous
brown Siltstone, kerogenous
Marlstone, brown to black, laminated kerogenous
95% Sltst abundant coarse Sltst, abundant black nodules, 5% Coal
marlstone, brown, well laminated, dolomite, argillaceous, brecciation and cont

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Ref	Plot	Calc_Dept	Top_m	Bottom_m
791	351	C.A. -55	27	Y	71.93		
1117	356	Dover#2 -72	25	Y	72		
1858	691	72	31	Y	72		
2020	692	72	31	Y	72		
2253	693	72	31	Y	72		
2359	694	72	31	Y	72		
1368	359	Rosevale #2-07668	18	Y	72.2	71.6	72.2
1665	363	Rosevale #6-08599	18	Y	72.2	71.6	72.2
1031	356	Dover #2 -72.43	2	Y	72.43		
3741	356	PEX Dover #2-3055	11	Y	72.48	70.98	72.48
1205	358	Rosevale #1-10225	18	Y	72.5	71.5	72.5
890	354	Cartago Dover #1 -72.54	10	Y	72.54		
1141	357	PEX Boudreau 1 -3143	11	Y	72.7	71.2	72.7
1369	359	Rosevale #2-07669	18	Y	72.8	72.2	72.8
1666	363	Rosevale #6-08600	18	Y	72.8	72.2	72.8
792	351	C.A. -56	27	Y	73.15		
1702	381	Test Hole 274	14	Y	73.15		
1769	572	Test Hole 148	14	Y	73.15		
1370	359	Rosevale #2-07670	18	Y	73.4	72.8	73.4
1667	363	Rosevale #6-09801	18	Y	73.4	72.8	73.4
891	354	Cartago Dover #1 -73.45	10	Y	73.45		
1143	357	PEX Boudreau 1 -73.5	10	Y	73.5		
1206	358	Rosevale #1-10226	18	Y	73.5	72.5	73.5
3742	356	PEX Dover #2-3056	11	Y	73.98	72.48	73.98
1371	359	Rosevale #2-07671	18	Y	74	73.4	74
1516	361	Rosevale #4-08503	18	Y	74	73.4	74
1668	363	Rosevale #6-09802	18	Y	74	73.4	74
1859	691	74	31	Y	74		
2021	692	74	31	Y	74		
2254	693	74	31	Y	74		
2360	694	74	31	Y	74		
1142	357	PEX Boudreau 1 -3144	11	Y	74.2	72.7	74.2
793	351	C.A. -57	27	Y	74.37		
892	354	Cartago Dover #1 -74.37	10	Y	74.37		
1714	447	Test Hole 142	14	Y	74.37		
1207	358	Rosevale #1-10227	18	Y	74.5	73.5	74.5
1372	359	Rosevale #2-07672	18	Y	74.6	74	74.6
1517	361	Rosevale #4-08504	18	Y	74.6	74	74.6

Depth_m	Calc_Elevatio	Group	Formation	Member
71.9328	23.57	Horton	Albert	
72	-27.39	Horton	Albert	Fredericks Bro
72	-32.6	Horton	Albert	Fredericks Bro
72	-55.27	Horton	Albert	Fredericks Bro
72	-11.09	Horton	Albert	Hiram Brook
72	-3.59	Horton	Albert	Fredericks Bro
	162.8	Horton	Albert	
	172.8	Horton	Albert	
72.43	-27.82	Horton	Albert	Fredericks Bro
	-27.87	Horton	Albert	Fredericks Bro
	178.5	Horton	Albert	
72.54	-9.54	Horton	Albert	Fredericks Bro
71.95	-64.199997	Horton	Albert	
	162.2	Horton	Albert	
	172.2	Horton	Albert	
73.152	22.35	Horton	Albert	
73.15	154.84	Cumberland	Boss Point	
73.15	85.35	Pictou		
	161.6	Horton	Albert	
	171.6	Horton	Albert	
73.45	-10.45	Horton	Albert	Fredericks Bro
73.5	-65	Horton	Albert	
	177.5	Horton	Albert	
	-29.37	Horton	Albert	Fredericks Bro
	161	Horton	Albert	
	159	Horton	Albert	
	171	Horton	Albert	
74	-34.6	Horton	Albert	Fredericks Bro
74	-57.27	Horton	Albert	Fredericks Bro
74	-13.09	Horton	Albert	Hiram Brook
74	-5.59	Horton	Albert	Fredericks Bro
73.45	-65.699997	Horton	Albert	
74.3712	21.13	Horton	Albert	
74.37	-11.37	Horton	Albert	Fredericks Bro
74.37	16.77	Pictou		
	176.5	Horton	Albert	
	160.4	Horton	Albert	
	158.4	Horton	Albert	

Sample_Description
Shale dolomitic medium grey brown, thinly laminated to banded, contorted
Dolomitic Marlstone grey to grey brown
dark grey to brownish Dolomite, dolomitic, regular thin laminations, trace brow
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
grey to dark grey and brownish, 80% Claystone, dolomitic, regular thick to thi
60% brown to black Shale kerogenous, 40% grey Sandstone quartzose
brown Siltstone, kerogenous
Dolomitic Marlstone grey to grey brown
Dolomitic Marlstone grey to grey brown
50% brown to black Sandstone, 30% blue Siltstone, dolomitic, 20% brown to
Marlstone, brown, laminated kerogenous
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
30% grey Sandstone quartzose, 70% black Shale kerogenous
brown Siltstone, kerogenous
Shale dolomitic medium to dark grey brown, thinly laminated to banded, conto
80% calcareous quarzose Sandstone, 10% Conglomerate, 10% Coal, plant fr
60% lithic Sandstone, 30% polymitic Conglomerate, 10% Coal
40% brown to black Shale kerogenous, 60% brown Conglomerate
blue Sandstone, kerogenous
Marlstone, brown to grey to black, laminated kerogenous
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
80% brown Siltstone, 20% grey to blue Sandstone
Dolomitic Marlstone grey to grey brown
brown Shale kerogenous
brown Shale, kerogenous
blue Sandstone, kerogenous, minor brown Siltstone
dark grey to brownish Dolomite, dolomitic, regular thin laminations, trace brow
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
grey to dark grey, 25% Claystone thickly laminated to massive, dolomitic, gra
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
Shale dolomitic medium to dark grey brown, thinly laminated to banded, conto
Marlstone, brown to grey to black, laminated kerogenous
50% Shale, 50% Coal dark brown to black, abundant grey clay
95% brown Siltstone, 5% Sandstone
brown Sandstone kerogenous
brown Shale, locally kerogenous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1669	363	Rosevale #6-09803	18	Y	74.6	74	74.6
1428	360	Rosevale #3-10239	18	Y	75	74	75
1373	359	Rosevale #2-07673	18	Y	75.2	74.6	75.2
1670	363	Rosevale #6-09804	18	Y	75.2	74.6	75.2
893	354	Cartago Dover #1 -75.28	10	Y	75.28		
3743	356	PEX Dover #2-3057	11	Y	75.48	73.98	75.48
1208	358	Rosevale #1-10228	18	Y	75.5	74.5	75.5
794	351	C.A. -58	27	Y	75.59		
1146	357	PEX Boudreau 1 -3145	11	Y	75.7	74.2	75.7
1032	356	Dover #2 -75.79	2	Y	75.79		
1374	359	Rosevale #2-07674	18	Y	75.8	75.2	75.8
1671	363	Rosevale #6-09805	18	Y	75.8	75.2	75.8
1720	467	Test Hole B23	14	Y	75.9		
1429	360	Rosevale #3-10240	18	Y	76	75	76
1860	691	76	31	Y	76		
2022	692	76	31	Y	76		
2255	693	76	31	Y	76		
2361	694	76	31	Y	76		
1147	357	PEX Boudreau 1 -76.1	10	Y	76.1		
11	32	Test Hole 284	14	Y	76.2		
574	347	C-A5 -250	3	Y	76.2		
894	354	Cartago Dover #1 -76.2	10	Y	76.2		
1729	483	Test Hole 169	14	Y	76.2		
1781	593	Test Hole 53	14	Y	76.2		
1375	359	Rosevale #2-07675	18	Y	76.4	75.8	76.4
1672	363	Rosevale #6-09806	18	Y	76.4	75.8	76.4
1209	358	Rosevale #1-10229	18	Y	76.5	75.5	76.5
795	351	C.A. -59	27	Y	76.81		
3744	356	PEX Dover #2-3058	11	Y	76.98	75.48	76.98
1376	359	Rosevale #2-07676	18	Y	77	76.4	77
1673	363	Rosevale #6-09807	18	Y	77	76.4	77
707	348	C-A6 -253	3	Y	77.11		
897	354	Cartago Dover #1 -77.11	10	Y	77.11		
1377	359	Rosevale #2-07677	18	Y	77.6	77	77.6
1149	357	PEX Boudreau 1 -3146	11	Y	77.62	75.7	77.62
232	321	Upper Dorchester #1 - H-D-42	15	Y	77.72		
1734	505	Rogersville #1 - H-D-11	15	Y	77.72		
575	347	C-A5 - Sample 1	13	Y	78		

Depth_m	Calc_Elevatio	Group	Formation	Member
	170.4	Horton	Albert	
	149	Horton	Albert	
	159.8	Horton	Albert	
	169.8	Horton	Albert	
75.28	-12.28	Horton	Albert	Fredericks Bro
	-30.87	Horton	Albert	Fredericks Bro
	175.5	Horton	Albert	
75.5904	19.91	Horton	Albert	
74.95	-67.199997	Horton	Albert	
75.79	-31.18	Horton	Albert	Fredericks Bro
	159.2	Horton	Albert	
	169.2	Horton	Albert	
75.9	-10.67	Pictou		
	148	Horton	Albert	
76	-36.6	Horton	Albert	Fredericks Bro
76	-59.27	Horton	Albert	Fredericks Bro
76	-15.09	Horton	Albert	Hiram Brook
76	-7.59	Horton	Albert	Fredericks Bro
76.1	-67.599998	Horton	Albert	
76.2	-68.58	Pictou		
76.2	38.1	Horton	Albert	
76.2	-13.2	Horton	Albert	Fredericks Bro
76.2	15.85	Pictou		
76.2	-57	Pictou		
	158.6	Horton	Albert	
	168.6	Horton	Albert	
	174.5	Horton	Albert	
76.8096	18.69	Horton	Albert	
	-32.37	Horton	Albert	Fredericks Bro
	158	Horton	Albert	
	168	Horton	Albert	
77.11	43.29	Horton	Albert	
77.11	-14.11	Horton	Albert	Fredericks Bro
	157.4	Horton	Albert	
76.66	-69.120003	Horton	Albert	
77.72	-68.57	Horton	Albert	
77.72	6.1	Pictou	Richibucto	
78	36.3	Horton	Albert	

Sample_Description
50% brown Sandstone, calcareous, 50% brown Siltstone, kerogenous
blue to black Siltstone, kerogenous
brown Sandstone kerogenous grading to grey quartzose with depth
brown Siltstone, kerogenous
Marlstone, brown to grey to black, laminated kerogenous
Dolomitic Marlstone grey to grey brown
brown to brown blue Siltstone, kerogenous, Sandstone interbeds
Shale dolomitic medium grey brown, thinly laminated to banded, contorted sof
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
Dolomitic Marlstone grey to grey brown
grey Sandstone quartzose
brown Siltstone, kerogenous, minor blue Sandstone
80% quartz Sandstone, 10% Siltstone, 10% Coal, trace limestone, pyrite
blue to black Siltstone, kerogenous, interbedded brown Sandstone
dark grey to brownish Dolomite, dolomitic, regular thin laminations, trace brow
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
grey to brown grey and light brown Dolomite, masive to thinly laminated, dolo
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
10% polymictic Cgl, 55% lithic Ss, 15%Sltst, 10% Coal, 10% red clay, abunda
Dolomitic Marlstone, dark brown, microlaminated, some organic content
Marlstone, brown to grey to black, laminated kerogenous
75% lithic Sandstone, slightly calcareous, 10% polymitic Conglomerate, 15%
45% Conglomerate, 5% lithic Sandstone, 5% Siltstone, 45% Coal
grey Sandstone quartzose, grey Siltstone
30% blue Sandstone, 30% blue kerogenous Siltstone, 40% blue Sandstone, k
70% brown to blue Siltstone, kerogenous, 30% brown Sandstone
Shale dolomitic medium grey brown, thinly laminated to banded, contorted sof
Silty shale, grey , occassional kerogenous marlstone band
grey Siltstone
blue Sandstone, kerogenous
Dolomitic Marlstone dark brown
Dolomite Marlstone, brown, laminated kerogenous
grey Siltstone
Silty Shale, grey to brown, finely laminated, convoluted, kerogenous laminatio
Sandstone dark grey calcareous
Sandstone to very fine Conglomerate, greenish grey, a little coaly material, tra
Dolomitic Marlstone, dark brown, microlaminated, some organic content

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1861	691	78	31	Y	78		
1862	691	78	31	Y	78		
2023	692	78	31	Y	78		
2256	693	78	31	Y	78		
2362	694	78	31	Y	78		
898	354	Cartago Dover #1 -78.02	10	Y	78.02		
796	351	C.A. -60	27	Y	78.03		
1721	469	Test Hole B26	14	Y	78.03		
1378	359	Rosevale #2-07678	18	Y	78.2	77.6	78.2
1379	359	Rosevale #2-07679	18	Y	78.8	78.2	78.8
899	354	Cartago Dover #1 -78.94	10	Y	78.94		
1705	387	Test Hole 271	14	Y	79.2		
7	18	Test Hole 268	14	Y	79.25		
797	351	C.A. -61	27	Y	79.25		
1704	386	Test Hole 252	14	Y	79.25		
1796	621	Test Hole 40	14	Y	79.25		
1807	646	Test Hole 2	14	Y	79.25		
3661	406	37-260ft	39	Y	79.25	76.2	79.25
900	354	Cartago Dover #1 -79.32	10	Y	79.32		
1380	359	Rosevale #2-07680	18	Y	79.4	78.8	79.4
902	354	Cartago Dover #1 -79.85	10	Y	79.85		
1150	357	PEX Boudreau 1 -79.9	10	Y	79.9		
1381	359	Rosevale #2-07681	18	Y	80	79.4	80
1863	691	80	31	Y	80		
1864	691	80	31	Y	80		
2024	692	80	31	Y	80		
2257	693	80	31	Y	80		
2363	694	80	31	Y	80		
798	351	C.A. -62	27	Y	80.47		
1382	359	Rosevale #2-07682	18	Y	80.6	80	80.6
903	354	Cartago Dover #1 -80.77	10	Y	80.77		
125	93	L390-6 - Lower Millstream 5 - Sa	26	Y	81.07	81	81.07
1674	363	Rosevale #6-08585	18	Y	81.1	80.5	81.1
1383	359	Rosevale #2-07683	18	Y	81.2	80.6	81.2
3665	356	79.75-81.25	40	Y	81.25	79.75	81.25
904	354	Cartago Dover #1 -81.68	10	Y	81.68		
708	348	C-A6 -268	3	Y	81.69		
799	351	C.A. -63	27	Y	81.69		

Depth_m	Calc_Elevatio	Group	Formation	Member
78	-38.6	Horton	Albert	Fredericks Bro
78	-38.6	Horton	Albert	Fredericks Bro
78	-61.27	Horton	Albert	Fredericks Bro
78	-17.09	Horton	Albert	Hiram Brook
78	-9.59	Horton	Albert	Fredericks Bro
78.02	-15.02	Horton	Albert	Fredericks Bro
78.0288	17.47	Horton	Albert	
78.03	14.63	Pictou		
	156.8	Horton	Albert	
	156.2	Horton	Albert	
78.94	-15.94	Horton	Albert	Fredericks Bro
79.2	8.89	Cumberland	Boss Point	
79.25	-41.15	Pictou		
79.248	16.25	Horton	Albert	
79.25	18.9	Pictou		
79.25	-77.42	Pictou		
79.25	-58.52	Pictou		
	-58.52	Mabou	Hopewell Cap	
79.32	-16.32	Horton	Albert	Fredericks Bro
	155.6	Horton	Albert	
79.85	-16.85	Horton	Albert	Fredericks Bro
79.9	-71.400002	Horton	Albert	
	155	Horton	Albert	
80	-40.6	Horton	Albert	Fredericks Bro
80	-40.6	Horton	Albert	Fredericks Bro
80	-63.27	Horton	Albert	Fredericks Bro
80	-19.09	Horton	Albert	Hiram Brook
80	-11.59	Horton	Albert	Fredericks Bro
80.4672	15.03	Horton	Albert	
	154.4	Horton	Albert	
80.77	-17.77	Horton	Albert	Fredericks Bro
81	-31.07	Sussex	Weldon	Undivided
	163.9	Horton	Albert	
	153.8	Horton	Albert	
	-36.64	Horton	Albert	Fredericks Bro
81.68	-18.68	Horton	Albert	Fredericks Bro
81.69	38.71	Horton	Albert	
81.6864	13.81	Horton	Albert	

Sample_Description
dark grey to brownish Dolomite, dolomitic, regular thin laminations, trace brow
dark grey to brownish Dolomite, dolomitic, regular thin laminations, trace brow
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
dark grey to black locally brownish, Claystone, calcareous-dolomitic, massive
grey to dark grey and brownish, interbedded poorly sorted sediments; 40% S
Dolomite Marlstone, brown, laminated kerogenous
Shale dolomitic medium to dark grey brown becoming argillaceous dolomite, t
50% lithic Sandstone, 10% Siltstone, 40% Coal, trace grey clay
grey Siltstone with bed of grey Sandstone
grey Sandstone with scattered Shale interbeds
Dolomite Marlstone, brown, laminated kerogenous
95% Quartzose Lithic Sandstone, 5% Coal
70% Sltst, 20% Sh, 10% Coal
Shale dolomitic medium to dark grey brown, thinly laminated to banded, conto
60% Quartzose Lithic Sandstone, 30% Shale, 10% Coal and plant fragments
85% quartzose lithic Sandstone, 10% Siltstone, 10% Coal, trace red shale
60% lithic Sandstone, 20% Sandstone, 15% Limestone to argillaceious limest
red Marly Limestone
Dolomite Marlstone, brown, laminated kerogenous
grey Sandstone with scattered Shale interbeds
Dolomite Marlstone, brown, laminated kerogenous
Siltstone brown mixed with tan dolomite brecciated, contains bitumen
grey Sandstone with scattered Shale interbeds
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
dark grey to dark brownish grey Claystone, calcareous-dolomitic, silty, thickly
grey to dark grey and brownish, interbedded poorly sorted sediments; 40% S
Shale dolomitic medium to dark grey brown, thinly laminated to banded, conto
grey Sandstone with scattered Shale interbeds
Dolomite Marlstone, brown, laminated kerogenous
Coalescing calcite nodular with long axis subplanar, light grey nodules in dark
brown Siltstone, kerogenous
grey Sandstone with scattered Shale interbeds
Dolomitic Marlstone finely laminated
Dolomite Marlstone, brown, laminated kerogenous
Shale dark grey to brown
Shale dolomitic medium to dark grey brown, thinly laminated to banded, conto

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1675	363	Rosevale #6-08586	18	Y	81.7	81.1	81.7
1384	359	Rosevale #2-07684	18	Y	81.8	81.2	81.8
1865	691	82	31	Y	82		
2025	692	82	31	Y	82		
2258	693	82	31	Y	82		
2364	694	82	31	Y	82		
2	7	Test Hole 303	14	Y	82.3		
161	104	Test Hole 262	14	Y	82.3		
1676	363	Rosevale #6-08587	18	Y	82.3	81.7	82.3
1753	543	Test Hole 87	14	Y	82.3		
1385	359	Rosevale #2-07685	18	Y	82.4	81.8	82.4
1152	357	PEX Boudreau 1 -82.5	10	Y	82.5		
1518	361	Rosevale #4-08505	18	Y	82.5	81.9	82.5
905	354	Cartago Dover #1 -82.6	10	Y	82.6		
1033	356	PEX Dover 2 -82.7	10	Y	82.7		
3666	356	81.25-82.75	40	Y	82.75	81.25	82.75
1677	363	Rosevale #6-08588	18	Y	82.9	82.3	82.9
800	351	C.A. -64	27	Y	82.91		
1386	359	Rosevale #2-07686	18	Y	83	82.4	83
1519	361	Rosevale #4-08506	18	Y	83.1	82.5	83.1
1678	363	Rosevale #6-08589	18	Y	83.5	82.9	83.5
906	354	Cartago Dover #1 -83.51	10	Y	83.51		
1387	359	Rosevale #2-07687	18	Y	83.6	83	83.6
1520	361	Rosevale #4-08507	18	Y	83.7	83.1	83.7
1154	357	PEX Boudreau 1 -3147	11	Y	83.86	81.17	83.86
1866	691	84	31	Y	84		
1867	691	84	31	Y	84		
2026	692	84	31	Y	84		
2259	693	84	31	Y	84		
2365	694	84	31	Y	84		
1679	363	Rosevale #6-08590	18	Y	84.1	83.5	84.1
801	351	C.A. -65	27	Y	84.12		
1388	359	Rosevale #2-07688	18	Y	84.2	83.6	84.2
3667	356	82.75-84.24	40	Y	84.24	82.75	84.24
1521	361	Rosevale #4-08508	18	Y	84.3	83.7	84.3
907	354	Cartago Dover #1 -84.42	10	Y	84.42		
908	354	Cartago Dover #1 -84.58	10	Y	84.58		
1680	363	Rosevale #6-08591	18	Y	84.7	84.1	84.7

Depth_m	Calc_Elevatio	Group	Formation	Member
	163.3	Horton	Albert	
	153.2	Horton	Albert	
82	-42.6	Horton	Albert	Fredericks Bro
82	-65.27	Horton	Albert	Fredericks Bro
82	-21.09	Horton	Albert	Hiram Brook
82	-13.59	Horton	Albert	Fredericks Bro
82.3	39.92	Pictou		
82.3	-42.68	Pictou		
	162.7	Horton	Albert	
82.3	-1.22	Pictou		
	152.6	Horton	Albert	
82.5	-74	Horton	Albert	
	150.5	Horton	Albert	
82.6	-19.6	Horton	Albert	Fredericks Bro
82.7	-38.09	Horton	Albert	Fredericks Bro
	-38.14	Horton	Albert	Fredericks Bro
	162.1	Horton	Albert	
82.9056	12.59	Horton	Albert	
	152	Horton	Albert	
	149.9	Horton	Albert	
	161.5	Horton	Albert	
83.51	-20.51	Horton	Albert	Fredericks Bro
	151.4	Horton	Albert	
	149.3	Horton	Albert	
82.51	-75.360001	Horton	Albert	
84	-44.6	Horton	Albert	Fredericks Bro
84	-44.6	Horton	Albert	Fredericks Bro
84	-67.27	Horton	Albert	Fredericks Bro
84	-23.09	Horton	Albert	Hiram Brook
84	-15.59	Horton	Albert	Fredericks Bro
	160.9	Horton	Albert	
84.1248	11.38	Horton	Albert	
	150.8	Horton	Albert	
	-39.63	Horton	Albert	Fredericks Bro
	148.7	Horton	Albert	
84.42	-21.42	Horton	Albert	Fredericks Bro
84.58	-21.58	Horton	Albert	Fredericks Bro
	160.3	Horton	Albert	

Sample_Description
40% brown Siltstone, kerogenous, 60% brown Sandstone, kerogenous
grey Sandstone dolomitic
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
brown grey to dark grey Claystone, dolomitic, thickly to thinly laminated, locall
grey to dark grey and brownish, interbedded poorly sorted sediments; 40% S
20% polymictic Cgl, 45% calcareous lithic Sst, 10% Coal, carbonaceous, Sh,
70% lithic Sandstone, 5% shale red & grey, 15% pyrite massive to large cryst
grey to blue Sandstone
70% lithic Sandstone, 20% polymitic Conglomerate, 10% Coal, abundant pyrit
grey Sandstone dolomitic
Silty Shale, dark grey and tan, finely laminated, kerogenous laminae, convolut
grey Siltstone, scattered lenses of Shale
Dolomite Marlstone, brown, laminated kerogenous
Dolomitic Marlstone finely laminated
Dolomitic Marlstone finely laminated
grey to blue Sandstone
Shale dolomitic, medium to dark grey green and grey brown, thinly laminated
grey Sandstone dolomitic
grey Siltstone, scattered lenses of Shale
70% grey to blue Sandstone, 30% brown Shale, kerogenous
Dolomite Marlstone, brown, laminated kerogenous
grey Sandstone dolomitic
grey Siltstone, scattered lenses of Shale
Silty Shale, dark grey and tan, finely laminated, kerogenous laminae, convolut
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
brown grey to dark grey Claystone, dolomitic, thickly to thinly laminated, locall
grey to dark grey and brownish, interbedded poorly sorted sediments; 40% S
70% blue Sandstone, 30% brown Shale, kerogenous
Shale dolomitic, medium to dark grey green and grey brown, thinly laminated
grey Sandstone dolomitic
Dolomite, tan vuggy, with contorted marlstone
grey Siltstone, scattered lenses of Shale
Dolomite Marlstone, brown, laminated kerogenous
Dolomite Marlstone, brown, laminated kerogenous
70% blue Sandstone, 30% brown Shale, kerogenous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1389	359	Rosevale #2-07689	18	Y	84.8	84.2	84.8
1522	361	Rosevale #4-08509	18	Y	84.9	84.3	84.9
1035	356	PEX Dover 2 -85.3	10	Y	85.3		
1681	363	Rosevale #6-08592	18	Y	85.3	84.7	85.3
802	351	C.A. -66	27	Y	85.34		
1792	615	Test Hole 42	14	Y	85.34		
1390	359	Rosevale #2-07690	18	Y	85.4	84.8	85.4
1523	361	Rosevale #4-08510	18	Y	85.5	84.9	85.5
3668	356	84.25-85.75	40	Y	85.75	84.25	85.75
1391	359	Rosevale #2-07691	18	Y	86	85.4	86
1868	691	86	31	Y	86		
2027	692	86	31	Y	86		
2260	693	86	31	Y	86		
2366	694	86	31	Y	86		
1524	361	Rosevale #4-08511	18	Y	86.1	85.5	86.1
1037	356	PEX Dover 2 -206	11	Y	86.4	84.9	86.4
803	351	C.A. -67	27	Y	86.56		
1392	359	Rosevale #2-07692	18	Y	86.6	86	86.6
1525	361	Rosevale #4-08512	18	Y	86.7	86.1	86.7
1722	472	Coal Branch 1 (8)	15	Y	86.87		
910	354	Cartago Dover #1 -87.17	10	Y	87.17		
1393	359	Rosevale #2-07693	18	Y	87.2	86.6	87.2
3669	356	85.75-87.25	40	Y	87.25	85.75	87.25
1526	361	Rosevale #4-08513	18	Y	87.3	86.7	87.3
135	96	L390-9 - Lower Millstream 8 - Sa	26	Y	87.45	87.34	87.45
804	351	C.A. -68	27	Y	87.78		
1394	359	Rosevale #2-07694	18	Y	87.8	87.2	87.8
1038	356	PEX Dover 2 -207	11	Y	87.9	86.4	87.9
1527	361	Rosevale #4-07632	18	Y	87.9	87.3	87.9
1210	358	Rosevale #1-10208	18	Y	88	87	88
1869	691	88	31	Y	88		
1870	691	88	31	Y	88		
2028	692	88	31	Y	88		
2261	693	88	31	Y	88		
2367	694	88	31	Y	88		
128	96	LM8-2	1	Y	88.2	66.2	88.2
1766	569	Test Hole 145	14	Y	88.39		
1395	359	Rosevale #2-07695	18	Y	88.4	87.8	88.4

Depth_m	Calc_Elevatio	Group	Formation	Member
	150.2	Horton	Albert	
	148.1	Horton	Albert	
85.3	-40.69	Horton	Albert	Fredericks Bro
	159.7	Horton	Albert	
85.344	10.16	Horton	Albert	
85.34	-10.97	Pictou		
	149.6	Horton	Albert	
	147.5	Horton	Albert	
	-41.14	Horton	Albert	Fredericks Bro
	149	Horton	Albert	
86	-46.6	Horton	Albert	Fredericks Bro
86	-69.27	Horton	Albert	Fredericks Bro
86	-25.09	Horton	Albert	Hiram Brook
86	-17.59	Horton	Albert	Fredericks Bro
	146.9	Horton	Albert	
85.65	-41.79	Horton	Albert	Fredericks Bro
86.5632	8.94	Horton	Albert	
	148.4	Horton	Albert	
	146.3	Horton	Albert	
86.87	-25.91	Pictou		
87.17	-24.17	Horton	Albert	Fredericks Bro
	147.8	Horton	Albert	
	-42.64	Horton	Albert	Fredericks Bro
	145.7	Horton	Albert	
87.4	42.55	Sussex	Weldon	Undivided
87.7824	7.72	Horton	Albert	
	147.2	Horton	Albert	
87.15	-43.29	Horton	Albert	Fredericks Bro
	145.1	Horton	Albert	
	163	Horton	Albert	
88	-48.6	Horton	Albert	Fredericks Bro
88	-48.6	Horton	Albert	Fredericks Bro
88	-71.27	Horton	Albert	Fredericks Bro
88	-27.09	Horton	Albert	Hiram Brook
88	-19.59	Horton	Albert	Fredericks Bro
	41.8	Horton	Albert	
88.39	15.24	Pictou		
	146.6	Horton	Albert	

Sample_Description
grey Sandstone dolomitic
grey Siltstone, scattered lenses of Shale
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
finely inter bedded brown Shale, Siltstone with Sandstone lenses, kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, local
85% quartzose lithic Sandstone, 10% Conglomerate, 5% Coal, pyrite
grey Sandstone dolomitic
grey Siltstone, scattered lenses of Shale
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
grey Sandstone dolomitic
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
brown grey to dark grey Claystone, dolomitic, thickly to thinly laminated, locall
grey to dark grey and brownish, interbedded poorly sorted sediments; 40% S
grey Siltstone, scattered lenses of Shale
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, local
grey Sandstone dolomitic
grey Siltstone, scattered lenses of Shale
Sandstone grey, calcareous, scattered thin coal seams, with pyrites
Clay Marlstone, light brown, marginally kerogenous
grey Sandstone dolomitic
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
grey Siltstone, scattered lenses of Shale
Massive, charcoal color, v.f.g. sandstone and silty mudstone, noncalcareous,
Shale dolomitic, medium to dark grey brown, silty layers, thinly laminated to b
grey Sandstone dolomitic
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
brown to black Shale kerogenous
50% brown Sandstone, kerogenous, 50% brown Siltstone, kerogenous
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
brown grey to grey Claystone, dolomitic, silty, thickly laminated highly foliated,
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
23-75% vitreous hydrocarbon disseminated in silty hydrocarbon; Grey black,
85% polymitic Conglomerate, 10% lithic Sandstone, 5% Coal
grey Sandstone dolomitic

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1528	361	Rosevale #4-07633	18	Y	88.5	87.9	88.5
1717	463	Test Hole 155	14	Y	88.7		
3670	356	87.25-88.75	40	Y	88.75	87.25	88.75
805	351	C.A. -69	27	Y	89		
1211	358	Rosevale #1-10209	18	Y	89	88	89
1396	359	Rosevale #2-07696	18	Y	89	88.4	89
1719	466	Test Hole B22	14	Y	89		
1529	361	Rosevale #4-07634	18	Y	89.1	88.5	89.1
1039	356	PEX Dover 2 -208	11	Y	89.4	87.9	89.4
1728	462	Test Hole 154	14	Y	89.56		
1397	359	Rosevale #2-07697	18	Y	89.6	89	89.6
1682	363	Rosevale #6-09808	18	Y	89.6	89	89.6
1530	361	Rosevale #4-07635	18	Y	89.7	89.1	89.7
550	345	C-A2 -295	3	Y	89.92		
1212	358	Rosevale #1-10210	18	Y	90	89	90
1871	691	90	31	Y	90		
2029	692	90	31	Y	90		
2262	693	90	31	Y	90		
2368	694	90	31	Y	90		
1398	359	Rosevale #2-07698	18	Y	90.2	89.6	90.2
1683	363	Rosevale #6-09809	18	Y	90.2	89.6	90.2
806	351	C.A. -70	27	Y	90.22		
3671	356	88.75-90.25	40	Y	90.25	88.75	90.25
1531	361	Rosevale #4-07636	18	Y	90.3	89.7	90.3
1041	356	PEX Dover 2 -90.5	10	Y	90.5		
1399	359	Rosevale #2-07699	18	Y	90.8	90.2	90.8
1684	363	Rosevale #6-09810	18	Y	90.8	90.2	90.8
1040	356	PEX Dover 2 -209	11	Y	90.9	89.4	90.9
1532	361	Rosevale #4-07637	18	Y	90.9	90.3	90.9
1213	358	Rosevale #1-10211	18	Y	91	90	91
1400	359	Rosevale #2-07700	18	Y	91.4	90.8	91.4
1685	363	Rosevale #6-09811	18	Y	91.4	90.8	91.4
163	112	Test Hole 275	14	Y	91.44		
709	348	C-A6 -300	3	Y	91.44		
807	351	C.A. -71	27	Y	91.44		
1735	506	Test Hole 88	14	Y	91.44		
1739	512	Test Hole 113	14	Y	91.44		
1774	580	Test Hole 117	14	Y	91.44		

Depth_m	Calc_Elevatio	Group	Formation	Member
	144.5	Horton	Albert	
88.7	-6.71	Pictou		
	-44.14	Horton	Albert	Fredericks Bro
89.0016	6.5	Horton	Albert	
	162	Horton	Albert	
	146	Horton	Albert	
89	-9.45	Pictou		
	143.9	Horton	Albert	
88.65	-44.79	Horton	Albert	Fredericks Bro
89.56	-10.62	Pictou		
	145.4	Horton	Albert	
	155.4	Horton	Albert	
	143.3	Horton	Albert	
89.92	13.71	Horton	Albert	Fredericks Bro
	161	Horton	Albert	
90	-50.6	Horton	Albert	Fredericks Bro
90	-73.27	Horton	Albert	Fredericks Bro
90	-29.09	Horton	Albert	Hiram Brook
90	-21.59	Horton	Albert	Fredericks Bro
	144.8	Horton	Albert	
	154.8	Horton	Albert	
90.2208	5.28	Horton	Albert	
	-45.64	Horton	Albert	Fredericks Bro
	142.7	Horton	Albert	
90.5	-45.89	Horton	Albert	Fredericks Bro
	144.2	Horton	Albert	
	154.2	Horton	Albert	
90.15	-46.29	Horton	Albert	Fredericks Bro
	142.1	Horton	Albert	
	160	Horton	Albert	
	143.6	Horton	Albert	
	153.6	Horton	Albert	
91.44	81.69	Pictou		
91.44	28.96	Horton	Albert	
91.44	4.06	Horton	Albert	
91.44	-30.48	Pictou		
91.44	-31.39	Pictou		
91.44	6.1	Pictou		

Sample_Description
brown to black Shale kerogenous
60% lithic Sandstone, 10% polymitic Conglomerate, 15% Clay, 15% Coal
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
Shale dolomitic, medium to dark grey brown, silty layers, thinly laminated to b
50% brown Sandstone, kerogenous, 50% brown Siltstone, kerogenous
grey Sandstone dolomitic
65% Shale, 20% Siltstone, 10% lithic Sandstone, 5% Coal, pyrite, plant fragm
brown to black Shale kerogenous
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
25% Lithic Sandstone, 25% Clay, 50% Coal
black Shale kerogenous
50% brown Shale, kerogenous, 50% blue Sandstone
brown to black Shale kerogenous
Transition Zone marlstone dolomitic medium to dark brown
interbedded 80% grey Sandstone, kerogenous, 20% brown Shale, kerogenou
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
brown grey to grey Dolomite regular thin kerogenous laminations locally highl
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
black Shale kerogenous with blue Sandstone
brown Shale, kerogenous
Shale dolomitic, dark grey brown, thinly laminated to banded
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
brown to black to blue Shale kerogenous
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
interbedded black Sandstone, black Siltstone both kerogenous
brown Shale, kerogenous
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
brown to blue Shale kerogenous
interbedded 70% grey Sandstone, 30% brown Shale, kerogenous
grey to black Shale, kerogenous
brown Siltstone, kerogenous
90% quartz pebble conglomerate, 5% quartzose Sandstone, 5% coal
Dolomitic Marlstone dark grey to brown
Shale dolomitic, dark grey brown, thinly laminated to banded
80% lithic Sandstone, 5% polymitic Conglomerate, 7% Coal, 8% pyrite, minor
85% lithic Sandstone, 10% polymitic Conglomerate, 5% Coal
45% Siltstone, 40% Shale, 15% Coal, trace pyrite

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1779	591	Test Hole 48	14	Y	91.44		
1783	597	Test Hole 60	14	Y	91.44		
1788	603	Test Hole 55	14	Y	91.44		
1533	361	Rosevale #4-07638	18	Y	91.5	90.9	91.5
1043	356	PEX Dover 2 -210	11	Y	91.82	90.9	91.82
1214	358	Rosevale #1-10212	18	Y	92	91	92
1401	359	Rosevale #2-08601	18	Y	92	91.4	92
1686	363	Rosevale #6-09812	18	Y	92	91.4	92
1872	691	92	31	Y	92		
2030	692	92	31	Y	92		
2263	693	92	31	Y	92		
2369	694	92	31	Y	92		
1534	361	Rosevale #4-07639	18	Y	92.1	91.5	92.1
1402	359	Rosevale #2-08602	18	Y	92.6	92	92.6
1687	363	Rosevale #6-09813	18	Y	92.6	92	92.6
808	351	C.A. -72	27	Y	92.66		
1535	361	Rosevale #4-07640	18	Y	92.7	92.1	92.7
1215	358	Rosevale #1-10213	18	Y	93	92	93
1403	359	Rosevale #2-08603	18	Y	93.2	92.6	93.2
1536	361	Rosevale #4-07641	18	Y	93.3	92.7	93.3
1404	359	Rosevale #2-08604	18	Y	93.8	93.2	93.8
809	351	C.A. -73	27	Y	93.88		
1216	358	Rosevale #1-10214	18	Y	94	93	94
1873	691	94	31	Y	94		
2031	692	94	31	Y	94		
2264	693	94	31	Y	94		
2370	694	94	31	Y	94		
95	39	A-U1 -309	3	Y	94.18		
1405	359	Rosevale #2-08605	18	Y	94.4	93.8	94.4
166	145	PR1-310	19	Y	94.49		
229	186	Maritime Oil #43 - H-D-37	15	Y	94.49		
3598	114	NBDNR-07	38	Y	94.49	91.44	94.488
1430	360	Rosevale #3-10241	18	Y	94.5	93.5	94.5
3591	4335	80MAO-30C	1	Y	94.8		
912	354	Cartago Dover #1 -94.94	10	Y	94.94		
1406	359	Rosevale #2-08606	18	Y	95	94.4	95
3672	356	93.50-95.00	40	Y	95	93.5	95
810	351	C.A. -74	27	Y	95.1		

Depth_m	Calc_Elevatio	Group	Formation	Member
91.44	-38.71	Pictou		
91.44	-84.43	Pictou		
91.44	25.6	Pictou		
	141.5	Horton	Albert	
91.8	-47.21	Horton	Albert	Fredericks Bro
	159	Horton	Albert	
	143	Horton	Albert	
	153	Horton	Albert	
92	-52.6	Horton	Albert	Fredericks Bro
92	-75.27	Horton	Albert	Fredericks Bro
92	-31.09	Horton	Albert	Hiram Brook
92	-23.59	Horton	Albert	Fredericks Bro
	140.9	Horton	Albert	
	142.4	Horton	Albert	
	152.4	Horton	Albert	
92.6592	2.84	Horton	Albert	
	140.3	Horton	Albert	
	158	Horton	Albert	
	141.8	Horton	Albert	
	139.7	Horton	Albert	
	141.2	Horton	Albert	
93.8784	1.62	Horton	Albert	
	157	Horton	Albert	
94	-54.6	Horton	Albert	Fredericks Bro
94	-77.27	Horton	Albert	Fredericks Bro
94	-33.09	Horton	Albert	Hiram Brook
94	-25.59	Horton	Albert	Fredericks Bro
94.18	73.46	Horton	Albert	
	140.6	Horton	Albert	
94.49	-44.2	Pictou	Salisbury	
94.49	-37.49	Mabou	Hopewell Cap	
	-34.44	Cumberland	Boss Point	
	129.5	Horton	Albert	
94.8	0	Windsor	Upperton	
94.94	-31.94	Horton	Albert	Fredericks Bro
	140	Horton	Albert	
	-50.39	Horton	Albert	Fredericks Bro
95.0976	0.4	Horton	Albert	

Sample_Description
73% lithic Sandstone, 25% polymitic Conglomerate, 2% Coal
85% lithic to feldspathic Sandstone, 10% Conglomerate, 2% Coal, 2% red Sh
95% quartzose Sandstone, 5% Coal, disseminated pyrite
brown to blue Shale kerogenous
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
interbedded 60% grey Sandstone, 40% brown Shale, kerogenous
grey to black Shale, kerogenous
brown Siltstone, kerogenous
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
90% grey to dark grey Claystone dolomitic to calcareous, thickly laminated to
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
brown to blue Shale kerogenous
grey to black Shale, kerogenous
brown Siltstone, kerogenous
Shale dolomitic to argillaceous dolomite, medium to dark grey brown, thinly la
blue to brown Siltstone, kerogenous stringers
interbedded 85% grey Sandstone, 15% brown Shale, kerogenous
grey to black Shale, kerogenous
blue to brown Siltstone, kerogenous stringers
60% grey to black Shale, kerogenous, 40% brown Sandstone lithic
Shale dolomitic to argillaceous dolomite, medium to dark grey brown, thinly la
interbedded 60% grey Sandstone, 40% brown Shale, kerogenous
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
90% grey to dark grey Claystone dolomitic to calcareous, thickly laminated to
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
marlstone, brown, color lamination, no significant kerogen, dolomitic, argillace
black Shale kerogenous to grey Shale
95% grey-brown & 5% medium grey non-calc micro micaceous fine grained si
Marl red
Coal
brown to black Siltstone kerogenous, pyritic
Limestone rust coloured
Marlstone, brown, laminated kerogenous
black to grey Shale
Dolomitic Marlstone bedding severly contorted, local finely laminated kerogen
Shale medium to dark grey brown, dolomitic, thinly laminated to banded, local

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
1431	360	Rosevale #3-10242	18	Y	95.5	94.5	95.5
1407	359	Rosevale #2-08607	18	Y	95.6	95	95.6
913	354	Cartago Dover #1 -95.7	10	Y	95.7		
915	354	Cartago Dover #1 -95.74	10	Y	95.74		
1874	691	96	31	Y	96		
2032	692	96	31	Y	96		
2265	693	96	31	Y	96		
2371	694	96	31	Y	96		
1408	359	Rosevale #2-08608	18	Y	96.2	95.6	96.2
811	351	C.A. -75	27	Y	96.32		
1432	360	Rosevale #3-10243	18	Y	96.5	95.5	96.5
1409	359	Rosevale #2-08609	18	Y	96.8	96.2	96.8
916	354	Cartago Dover #1 -97.07	10	Y	97.07		
1410	359	Rosevale #2-08610	18	Y	97.4	96.8	97.4
1433	360	Rosevale #3-10244	18	Y	97.5	96.5	97.5
812	351	C.A. -76	27	Y	97.54		
1756	554	Test Hole 181	14	Y	97.54		
3706	324	200-320'	21	Y	97.54	60.96	97.536
1537	361	Rosevale #4-08654	18	Y	97.6	97	97.6
917	354	Cartago Dover #1 -97.99	10	Y	97.99		
1411	359	Rosevale #2-08611	18	Y	98	97.4	98
1875	691	98	31	Y	98		
1876	691	98	31	Y	98		
2033	692	98	31	Y	98		
2266	693	98	31	Y	98		
2372	694	98	31	Y	98		
1044	356	PEX Dover 2 -211	11	Y	98.05	96.59	98.05
1538	361	Rosevale #4-08655	18	Y	98.2	97.6	98.2
928	355	PEX Dover 1 -98.3	10	Y	98.3		
1412	359	Rosevale #2-08612	18	Y	98.6	98	98.6
813	351	C.A. -77	27	Y	98.76		
1539	361	Rosevale #4-08656	18	Y	98.8	98.2	98.8
918	354	Cartago Dover #1 -98.9	10	Y	98.9		
1413	359	Rosevale #2-08613	18	Y	99.2	98.6	99.2
1540	361	Rosevale #4-08657	18	Y	99.4	98.8	99.4
1045	356	PEX Dover 2 -212	11	Y	99.55	98.05	99.55
930	355	PEX Dover 1 -99.8	10	Y	99.8		
1414	359	Rosevale #2-08614	18	Y	99.8	99.2	99.8

Depth_m	Calc_Elevatio	Group	Formation	Member
	128.5	Horton	Albert	
	139.4	Horton	Albert	
95.7	-32.7	Horton	Albert	Fredericks Bro
95.74	-32.74	Horton	Albert	Fredericks Bro
96	-56.6	Horton	Albert	Fredericks Bro
96	-79.27	Horton	Albert	Fredericks Bro
96	-35.09	Horton	Albert	Hiram Brook
96	-27.59	Horton	Albert	Fredericks Bro
	138.8	Horton	Albert	
96.3168	-0.82	Horton	Albert	
	127.5	Horton	Albert	
	138.2	Horton	Albert	
97.07	-34.07	Horton	Albert	Fredericks Bro
	137.6	Horton	Albert	
	126.5	Horton	Albert	
97.536	-2.04	Horton	Albert	
97.54	79.24	Pictou		
	-17.99			
	135.4	Horton	Albert	
97.99	-34.99	Horton	Albert	Fredericks Bro
	137	Horton	Albert	
98	-58.6	Horton	Albert	Fredericks Bro
98	-58.6	Horton	Albert	Fredericks Bro
98	-81.27	Horton	Albert	Fredericks Bro
98	-37.09	Horton	Albert	Hiram Brook
98	-29.59	Horton	Albert	Fredericks Bro
97.32	-53.44	Horton	Albert	Fredericks Bro
	134.8	Horton	Albert	
98.3	-61.83	Horton	Albert	Fredericks Bro
	136.4	Horton	Albert	
98.7552	-3.26	Horton	Albert	
	134.2	Horton	Albert	
98.9	-35.9	Horton	Albert	Fredericks Bro
	135.8	Horton	Albert	
	133.6	Horton	Albert	
98.8	-54.94	Horton	Albert	Fredericks Bro
99.8	-63.33	Horton	Albert	Fredericks Bro
	135.2	Horton	Albert	

Sample_Description
brown to black Siltstone kerogenous, pyritic with grey intraformational Conglo
black to grey Shale
Marlstone, brown, laminated kerogenous
Marlstone, brown, laminated kerogenous
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
90% grey to dark grey Claystone dolomitic to calcareous, thickly laminated to
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
black to grey Shale with grey Siltstone interbed
Shale medium to dark grey brown, dolomitic, thinly laminated to banded, local
brown to black Siltstone kerogenous, with minor grey intraformational Conglo
black to grey Shale
Marlstone, brown, laminated to bedded kerogenous
grey Sandstone quartzose
brown dolomitic kerogenous Sandstone and Siltstone
Shale dolomitic, medium to dark grey brown, thinly laminated to banded
80% polymitic Conglomerate, 10% lithic Sandstone, 10% Coal and pyrite
blue brown Sandstone, brown to black Shale, kerogenous
Marlstone, brown, laminated to bedded kerogenous
grey Sandstone quartzose
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
light to dark grey and brownish Dolomite, dolomitic, contorted, and slightly off
90% grey to dark grey Claystone dolomitic to calcareous, thickly laminated to
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
Shale, silty, grey brown, grading to marlstone, dolomitic with kerogen laminae
brown to black Shale, kerogenous
Siltstone medium grey with shale, grades to grey-brown dolomitic shale with fi
grey Shale kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to banded
brown to black Shale, kerogenous
Marlstone, brown, laminated to bedded kerogenous
grey to black Shale kerogenous
blue to brown Siltstone, kerogenous
Shale, silty, grey brown, grading to marlstone, dolomitic with kerogen laminae
Siltstone medium grey with shale, grades to grey-brown dolomitic shale with fi
grey to black Shale kerogenous

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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
919	354	Cartago Dover #1 -99.82	10	Y	99.82		
814	351	C.A. -78	27	Y	99.97		
1541	361	Rosevale #4-08658	18	Y	100	99.4	100
1877	691	100	31	Y	100		
2034	692	100	31	Y	100		
2267	693	100	31	Y	100		
2373	694	100	31	Y	100		
1415	359	Rosevale #2-08615	18	Y	100.4	99.8	100.4
1701	380	Test Hole 273	14	Y	100.58		
1706	392	Test Hole 189	14	Y	100.58		
1801	637	Test Hole 23	14	Y	100.58		
1542	361	Rosevale #4-08659	18	Y	100.6	100	100.6
1046	356	PEX Dover 2 -213	11	Y	100.69	99.55	100.69
920	354	Cartago Dover #1 -100.73	10	Y	100.73		
1727	481	Test Hole 152	14	Y	100.89		
1416	359	Rosevale #2-08616	18	Y	101	100.4	101
815	351	C.A. -79	27	Y	101.19		
1543	361	Rosevale #4-08660	18	Y	101.2	100.6	101.2
1417	359	Rosevale #2-08617	18	Y	101.6	101	101.6
921	354	Cartago Dover #1 -101.65	10	Y	101.65		
932	355	Dover #1 -101.65	2	Y	101.65		
1544	361	Rosevale #4-08661	18	Y	101.8	101.2	101.8
1878	691	102	31	Y	102		
2035	692	102	31	Y	102		
2268	693	102	31	Y	102		
2374	694	102	31	Y	102		
1047	356	PEX Dover 2 -214	11	Y	102.19	100.69	102.19
1418	359	Rosevale #2-08618	18	Y	102.2	101.6	102.2
1545	361	Rosevale #4-08662	18	Y	102.4	101.8	102.4
816	351	C.A. -80	27	Y	102.41		
922	354	Cartago Dover #1 -102.56	10	Y	102.56		
934	355	PEX Dover 1 -102.7	10	Y	102.7		
936	355	Dover #1 -102.77	2	Y	102.77		
937	355	Dover #1 -102.99	2	Y	102.99		
1546	361	Rosevale #4-08663	18	Y	103	102.4	103
933	355	PEX Dover 1 -105	11	Y	103.25	101.08	103.25
923	354	Cartago Dover #1 -103.32	10	Y	103.32		
925	354	Cartago Dover #1 -103.47	10	Y	103.47		

Depth_m	Calc_Elevatio	Group	Formation	Member
99.82	-36.82	Horton	Albert	Fredericks Bro
99.9744	-4.47	Horton	Albert	
	133	Horton	Albert	
100	-60.6	Horton	Albert	Fredericks Bro
100	-83.27	Horton	Albert	Fredericks Bro
100	-39.09	Horton	Albert	Hiram Brook
100	-31.59	Horton	Albert	Fredericks Bro
	134.6	Horton	Albert	
100.58	71.33	Cumberland	Boss Point	
100.58	-78.63	Pictou		
100.58	-38.71	Pictou		
	132.4	Horton	Albert	
100.12	-56.08	Horton	Albert	Fredericks Bro
100.73	-37.73	Horton	Albert	Fredericks Bro
100.89	-34.75	Pictou		
	134	Horton	Albert	
101.1936	-5.69	Horton	Albert	
	131.8	Horton	Albert	
	133.4	Horton	Albert	
101.65	-38.65	Horton	Albert	Fredericks Bro
101.65	-65.18	Horton	Albert	Fredericks Bro
	131.2	Horton	Albert	
102	-62.6	Horton	Albert	Fredericks Bro
102	-85.27	Horton	Albert	Fredericks Bro
102	-41.09	Horton	Albert	Hiram Brook
102	-33.59	Horton	Albert	Fredericks Bro
101.44	-57.58	Horton	Albert	Fredericks Bro
	132.8	Horton	Albert	
	130.6	Horton	Albert	
102.4128	-6.91	Horton	Albert	
102.56	-39.56	Horton	Albert	Fredericks Bro
102.7	-66.22	Horton	Albert	Fredericks Bro
102.77	-66.29	Horton	Albert	Fredericks Bro
102.99	-66.51	Horton	Albert	Fredericks Bro
	130	Horton	Albert	
102.09	-66.78	Horton	Albert	Fredericks Bro
103.32	-40.32	Horton	Albert	Fredericks Bro
103.47	-40.47	Horton	Albert	Fredericks Bro

Sample_Description
Marlstone, brown, laminated to bedded kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, shea
blue to brown Siltstone, kerogenous, brown Shale, kerogenous
brownish grey Dolomite, dolomitic, thin laminations highly contorted and slight
90% grey to dark grey Claystone dolomitic to calcareous, thickly laminated to
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
grey to black Shale kerogenous
80% Lithic Sandstone, calcareous, 20% Coal
65% Lithic Sandstone, 10% Conglomerate, 10% Shale, 10% Coal, 5% Pyrite
98% quartzose Sandstone, 1% Siltstone, 1% Coal
brown to black Shale, kerogenous
Dolostone/ dolomitic sandstone brown, vuggy with heavy oil residue
Marlstone, brown, laminated to bedded kerogenous
85% Shale, 10% Coal, 5% pyrite, plant replacement
grey to black Shale kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, shea
brown to black to blue Shale, kerogenous
grey to black Shale kerogenous
Marlstone, brown, laminated to bedded kerogenous
Siltstone and fine grained sandstonem yellow-grey
blue to brown Shale, kerogenous
brownish grey Dolomite, dolomitic, thin laminations highly contorted and slight
90% grey to dark grey Claystone dolomitic to calcareous, thickly laminated to
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
Dolomitic Marlstone, finely laminated, abundant kerogen laminae
grey to black Shale kerogenous
blue to brown Shale, kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, shea
Marlstone, brown, laminated to bedded kerogenous
Shale dark grey, finely laminated, bituminous ordour
Shale dark grey, finely laminated, bituminous ordour
Shale dark grey, finely laminated, bituminous ordour
blue intraformational Conglomerate, blue to brown Shale, kerogenous
Shale dark grey, finely laminated, bituminous ordour
Marlstone, brown, laminated to bedded kerogenous
Marlstone, brown, laminated to bedded kerogenous

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1547	361	Rosevale #4-08664	18	Y	103.6	103	103.6
710	348	C-A6 -340	3	Y	103.63		
817	351	C.A. -81	27	Y	103.63		
1709	414	Test Hole 215	14	Y	103.63		
1738	511	Test Hole 103	14	Y	103.63		
1809	649	Test Hole 8	14	Y	103.63		
1048	356	PEX Dover 2 -215	11	Y	103.69	102.19	103.69
1879	691	104	31	Y	104		
2036	692	104	31	Y	104		
2269	693	104	31	Y	104		
2375	694	104	31	Y	104		
129	96	LM8-3 (JanFord 19-104)	1	Y	104.2	88.2	104.2
939	355	PEX Dover 1 -104.2	10	Y	104.2		
1548	361	Rosevale #4-08665	18	Y	104.2	103.6	104.2
926	354	Cartago Dover #1 -104.39	10	Y	104.39		
940	355	PEX Dover 1 -104.6	10	Y	104.6		
1549	361	Rosevale #4-08666	18	Y	104.8	104.2	104.8
818	351	C.A. -82	27	Y	104.85		
938	355	PEX Dover 1 -106	11	Y	105.12	103.25	105.12
1049	356	PEX Dover 2 -216	11	Y	105.15	103.69	105.15
927	354	Cartago Dover #1 -105.3	10	Y	105.3		
1550	361	Rosevale #4-08667	18	Y	105.4	104.8	105.4
1217	358	Rosevale #1-08677	18	Y	106	105.4	106
1551	361	Rosevale #4-08668	18	Y	106	105.4	106
1880	691	106	31	Y	106		
2037	692	106	31	Y	106		
2270	693	106	31	Y	106		
2376	694	106	31	Y	106		
819	351	C.A. -83	27	Y	106.07		
1757	555	Test Hole 206	14	Y	106.07		
941	355	PEX Dover 1 -106.2	10	Y	106.2		
943	355	Dover #1 -106.36	2	Y	106.36		
118	89	L390-2 - Lower Millstream - Samp	26	Y	106.51	106.44	106.51
1218	358	Rosevale #1-08678	18	Y	106.6	106	106.6
1552	361	Rosevale #4-08669	18	Y	106.6	106	106.6
96	39	A-U1 -350	3	Y	106.68		
2849	356	C-099255	34	Y	107.08		
1219	358	Rosevale #1-08679	18	Y	107.2	106.6	107.2

Depth_m	Calc_Elevatio	Group	Formation	Member
	129.4	Horton	Albert	
103.63	16.77	Horton	Albert	
103.632	-8.13	Horton	Albert	
103.63	-74.67	Pictou		
103.63	-57.91	Pictou		
103.632	-102.72	Pictou		
102.94	-59.08	Horton	Albert	Fredericks Bro
104	-64.6	Horton	Albert	Fredericks Bro
104	-87.27	Horton	Albert	Fredericks Bro
104	-43.09	Horton	Albert	Hiram Brook
104	-35.59	Horton	Albert	Fredericks Bro
	25.8	Horton	Albert	
104.2	-67.72	Horton	Albert	Fredericks Bro
	128.8	Horton	Albert	
104.39	-41.39	Horton	Albert	Fredericks Bro
104.6	-68.12	Horton	Albert	Fredericks Bro
	128.2	Horton	Albert	
104.8512	-9.35	Horton	Albert	
104.18	-68.65	Horton	Albert	Fredericks Bro
104.42	-60.54	Horton	Albert	Fredericks Bro
105.3	-42.3	Horton	Albert	Fredericks Bro
	127.6	Horton	Albert	
	145	Horton	Albert	
	127	Horton	Albert	
106	-66.6	Horton	Albert	Fredericks Bro
106	-89.27	Horton	Albert	Fredericks Bro
106	-45.09	Horton	Albert	Hiram Brook
106	-37.59	Horton	Albert	Fredericks Bro
106.0704	-10.57	Horton	Albert	
106.07	37.19	Pictou		
106.2	-69.72	Horton	Albert	Fredericks Bro
106.36	-69.89	Horton	Albert	Fredericks Bro
106.5	-31.51	Horton	Albert	
	144.4	Horton	Albert	
	126.4	Horton	Albert	
106.68	60.96	Horton	Albert	
107.08	-62.47	Horton	Albert	Fredericks Bro
	143.8	Horton	Albert	

Sample_Description
blue to brown Shale, kerogenous
Shale rubblized slickensides
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, shea
50% Quartzose Sandstone, 40% Mudstone, 10% Plant fragment replaced by
50% Sitlstone, 20% Clay, 30% Coal, minor pyrite
90% lithic Sandstone, 10% Conglomerate, minor Coal
Dolomitic Marlstone, finely laminated, abundant kerogen laminae, fish scales
brownish grey Dolomite, dolomitic, thin laminations highly contorted and slight
90% grey to dark grey Claystone dolomitic to calcareous, thickly laminated to
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
23-75% vitreous hydrocarbon disseminated in silty hydrocarbon; Grey black,
Shale dark grey, finely laminated, bituminous ordour
blue to brown to black Shale, kerogenous
Marlstone, brown, laminated to bedded kerogenous
Shale dark grey, finely laminated, bituminous ordour
brown to black Shale, kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, shea
Shale dark grey, finely laminated, bituminous ordour
Dolomitic Marlstone, finely laminated, abundant kerogen laminae
Marlstone, brown, laminated to bedded kerogenous
brown to black Shale, kerogenous
brown Siltstone
blue to brown Shale, kerogenous
light grey Claystone, dolomitic, massive to thickly laminated, sandy interbeds
90% grey to dark grey Claystone dolomitic to calcareous, thickly laminated to
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Dolomite indistinct regular thick to thin kerogeno
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, cont
60% Shale, 40% Coal, minor grey clay
Siltstone tan, finely current bedding, bituminous ordour
Siltstone tan, finely current bedding, bituminous ordour
Micro parallel laminiated, charcoal color, mud, noncalcareous, 4, silt size clay/
brown intraformational Conglomerate, kerogenous beds
blue to brown Shale, kerogenous
marlstone, brown, minor lamination, no significant kerogen, dolomitic, argillac
Dolomitic Marlstone, tan to grey, finely laminated, meager kerogenous lamina
brown kerogeonous Shale

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1553	361	Rosevale #4-08670	18	Y	107.2	106.6	107.2
820	351	C.A. -84	27	Y	107.29		
1220	358	Rosevale #1-08680	18	Y	107.8	107.2	107.8
1554	361	Rosevale #4-08671	18	Y	107.8	107.2	107.8
1050	356	PEX Dover 2 -217	11	Y	107.89	105.96	107.89
551	345	C-A2 -354	3	Y	107.9		
944	355	Dover #1 -107.99	2	Y	107.99		
1881	691	108	31	Y	108		
2038	692	108	31	Y	108		
2271	693	108	31	Y	108		
2377	694	108	31	Y	108		
945	355	Dover #1 -108.33	2	Y	108.33		
1221	358	Rosevale #1-08681	18	Y	108.4	107.8	108.4
1555	361	Rosevale #4-08672	18	Y	108.4	107.8	108.4
821	351	C.A. -85	27	Y	108.51		
729	349	C-A7 -357	3	Y	108.81		
1222	358	Rosevale #1-08682	18	Y	109	108.4	109
1556	361	Rosevale #4-08673	18	Y	109	108.4	109
947	355	Dover #1 -109.53	2	Y	109.53		
1223	358	Rosevale #1-08683	18	Y	109.6	109	109.6
1557	361	Rosevale #4-08674	18	Y	109.6	109	109.6
822	351	C.A. -86	27	Y	109.73		
1744	523	Test Hole 70	14	Y	109.73		
1804	642	Test Hole 30	14	Y	109.73		
946	355	PEX Dover 1 -112	11	Y	109.75	108.25	109.75
949	355	PEX Dover 1 -109.8	10	Y	109.8		
1882	691	110	31	Y	110		
2039	692	110	31	Y	110		
2272	693	110	31	Y	110		
2378	694	110	31	Y	110		
1224	358	Rosevale #1-08684	18	Y	110.2	109.6	110.2
1558	361	Rosevale #4-08675	18	Y	110.2	109.6	110.2
1225	358	Rosevale #1-08685	18	Y	110.8	110.2	110.8
1559	361	Rosevale #4-08676	18	Y	110.8	110.2	110.8
552	345	C-A2 -364	3	Y	110.95		
823	351	C.A. -87	27	Y	110.95		
952	355	Dover #1 -111.19	2	Y	111.19		
953	355	PEX Dover 1 -111.3	10	Y	111.3		

Depth_m	Calc_Elevatio	Group	Formation	Member
	125.8	Horton	Albert	
107.2896	-11.79	Horton	Albert	
	143.2	Horton	Albert	
	125.2	Horton	Albert	
106.92	-63.28	Horton	Albert	Fredericks Bro
107.9	-4.27	Horton	Albert	Fredericks Bro
107.99	-71.51	Horton	Albert	Fredericks Bro
108	-68.6	Horton	Albert	Fredericks Bro
108	-91.27	Horton	Albert	Fredericks Bro
108	-47.09	Horton	Albert	Hiram Brook
108	-39.59	Horton	Albert	Fredericks Bro
108.33	-71.86	Horton	Albert	Fredericks Bro
	142.6	Horton	Albert	
	124.6	Horton	Albert	
108.5088	-13.01	Horton	Albert	
108.81	20.73	Horton	Albert	
	142	Horton	Albert	
	124	Horton	Albert	
109.53	-73.05	Horton	Albert	Fredericks Bro
	141.4	Horton	Albert	
	123.4	Horton	Albert	
109.728	-14.23	Horton	Albert	
109.73	-71.63	Pictou		
109.73	-39.32	Pictou		
109	-73.28	Horton	Albert	Fredericks Bro
109.8	-73.33	Horton	Albert	Fredericks Bro
110	-70.6	Horton	Albert	Fredericks Bro
110	-93.27	Horton	Albert	Fredericks Bro
110	-49.09	Horton	Albert	Hiram Brook
110	-41.59	Horton	Albert	Fredericks Bro
	140.8	Horton	Albert	
	122.8	Horton	Albert	
	140.2	Horton	Albert	
	122.2	Horton	Albert	
110.95	-7.32	Horton	Albert	Fredericks Bro
110.9472	-15.45	Horton	Albert	
111.19	-74.72	Horton	Albert	Fredericks Bro
111.3	-74.83	Horton	Albert	Fredericks Bro

Sample_Description
blue to brown to grey Shale, kerogenous
Shale dolomitic, medium to dark grey brown, thinly laminated to banded, cont
brown to black intraformational Conglomerate, kerogenous beds
grey to brown Shale, kerogenous, minor red brown calcareous Siltstone
Dolomitic Marlstone tan to grey, finely laminated, some kerogen laminae
Marlstone dolomitic, medium to dark brown, hard massive, varving evident
Shale grey-brown, finely laminated
light grey Claystone, dolomitic, massive to thickly laminated, sandy interbeds
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Kerogenous Claystone, calcareous, thick to thin
Shale grey-brown, finely laminated
brown quartzose lithic Sandstone
grey to brown Shale, kerogenous
Dolomite argillaceous, medium grey brown, thinly laminated to banded, strea
Dolomitic Marlstone, dark grey to brown, distinct laminae, sandstone layers, p
brown Sandstone with kerogenous stringers
grey to brown Shale, kerogenous
Shale grey-brown, finely laminated
brown Sandstone with kerogenous stringers
grey to brown Shale, kerogenous
Dolomite argillaceous, medium grey brown, thinly laminated to banded, strea
70% lithic Sandstone calcareous, 20% polymitic Conglomerate, 10% Coal
100% Conglomerate, abundant free quartz, minor pyrite
Shale grey-brown, finely laminated
Shale grey-brown, finely laminated
light grey Claystone, dolomitic, massive to thickly laminated, sandy interbeds
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Kerogenous Claystone, calcareous, thick to thin
brown Sandstone with kerogenous stringers
grey to brown Shale, kerogenous
grey Sandstone with kerogenous stringers, oil stain
grey to brown Shale, kerogenous
Marlstone dolomitic, medium to dark brown, hard massive, varving evident
Dolomite argillaceous, medium to dark grey brown, thinly to finely laminated,
Shale grey-brown, finely laminated
Shale grey-brown, finely laminated

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
1226	358	Rosevale #1-03148	18	Y	111.4	110.8	111.4
955	355	Dover #1 -111.66	2	Y	111.66		
951	355	PEX Dover 1 -113	11	Y	112	109.75	112
1227	358	Rosevale #1-03149	18	Y	112	111.4	112
1883	691	112	31	Y	112		
2040	692	112	31	Y	112		
2273	693	112	31	Y	112		
2379	694	112	31	Y	112		
824	351	C.A. -88	27	Y	112.17		
1228	358	Rosevale #1-03150	18	Y	112.6	112	112.6
1740	514	Test Hole 115	14	Y	112.78		
1229	358	Rosevale #1-03151	18	Y	113.2	112.6	113.2
825	351	C.A. -89	27	Y	113.39		
1155	357	PEX Boudreau 1 -113.8	10	Y	113.8		
1230	358	Rosevale #1-03152	18	Y	113.8	113.2	113.8
1434	360	Rosevale #3-10245	18	Y	114	113	114
1884	691	114	31	Y	114		
2041	692	114	31	Y	114		
2274	693	114	31	Y	114		
2380	694	114	31	Y	114		
1713	430	Test Hole 196	14	Y	114.3		
1746	526	Test Hole 78	14	Y	114.3		
1231	358	Rosevale #1-03153	18	Y	114.4	113.8	114.4
826	351	C.A. -90	27	Y	114.6		
1051	356	PEX Dover 2 -114.9	10	Y	114.9		
1232	358	Rosevale #1-03154	18	Y	115	114.4	115
1435	360	Rosevale #3-10246	18	Y	115	114	115
956	355	Dover #1 -115.34	2	Y	115.34		
1233	358	Rosevale #1-03155	18	Y	115.6	115	115.6
957	355	Dover #1 -115.75	2	Y	115.75		
730	349	C-A7 -380	3	Y	115.82		
827	351	C.A. -91	27	Y	115.82		
1436	360	Rosevale #3-10247	18	Y	116	115	116
1885	691	116	31	Y	116		
2042	692	116	31	Y	116		
2275	693	116	31	Y	116		
2381	694	116	31	Y	116		
1234	358	Rosevale #1-03156	18	Y	116.2	115.6	116.2

Depth_m	Calc_Elevatio	Group	Formation	Member
	139.6	Horton	Albert	
111.66	-75.19	Horton	Albert	Fredericks Bro
110.87	-75.53	Horton	Albert	Fredericks Bro
	139	Horton	Albert	
112	-72.6	Horton	Albert	Fredericks Bro
112	-95.27	Horton	Albert	Fredericks Bro
112	-51.09	Horton	Albert	Hiram Brook
112	-43.59	Horton	Albert	Fredericks Bro
112.1664	-16.67	Horton	Albert	
	138.4	Horton	Albert	
112.78	-60.66	Pictou		
	137.8	Horton	Albert	
113.3856	-17.89	Horton	Albert	
113.8	-105.30000	Horton	Albert	
	137.2	Horton	Albert	
	110	Horton	Albert	
114	-74.6	Horton	Albert	Fredericks Bro
114	-97.27	Horton	Albert	Fredericks Bro
114	-53.09	Horton	Albert	Fredericks Bro
114	-45.59	Horton	Albert	Fredericks Bro
114.3	-60.35	Pictou		
114.3	-90.53	Pictou		
	136.6	Horton	Albert	
114.6048	-19.1	Horton	Albert	
114.9	-70.29	Horton	Albert	Fredericks Bro
	136	Horton	Albert	
	109	Horton	Albert	
115.34	-78.86	Horton	Albert	Fredericks Bro
	135.4	Horton	Albert	
115.75	-79.28	Horton	Albert	Fredericks Bro
115.82	13.72	Horton	Albert	
115.824	-20.32	Horton	Albert	
	108	Horton	Albert	
116	-76.6	Horton	Albert	Fredericks Bro
116	-99.27	Horton	Albert	Fredericks Bro
116	-55.09	Horton	Albert	Fredericks Bro
116	-47.59	Horton	Albert	Fredericks Bro
	134.8	Horton	Albert	

Sample_Description
brown Siltstone kerogenous
Shale grey-brown, finely laminated
Shale grey-brown, finely laminated
brown Siltstone kerogenous
light grey Claystone, dolomitic, massive to thickly laminated, sandy interbeds
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
brown grey to grey Claystone, dolomitic, silty, thickly laminated, regular locally
dark grey to dark brown grey Kerogenous Claystone, calcareous, regular to th
Dolomite argillaceous, medium to dark grey brown, thinly to finely laminated,
brown Siltstone kerogenous
50% polymitic Conglomerate, 45% lithic Sandstone, 5% Coal
interbedded brown Siltstone and Conglomerate, kerogenous, minor Sandsotn
Dolomite argillaceous, medium to dark grey brown, thinly to laminated to ban
Shale dark grey, subdued laminations, discontinuous kerogen streaks, odd bl
brown Siltstone kerogenous
kerogenous, 60% black Siltstone, 40% grey black Sandstone
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
grey to brownish grey Dolomite, thickly laminated, locally silty, trace kerogeno
dark grey to dark brown grey Kerogenous Claystone, calcareous, regular to th
85% Quartz pebble Conglomerate, 5% Coal, 10% Clay
55% lithic Sandstone, 15% polymitic Conglomerate, 30% Coal black to dark b
brown Siltstone kerogenous
Dolomite argillaceous, medium to dark grey brown, thinly to laminated to ban
Siltstone grey and brown, occasional band of dolomitic and kerogenous lamin
brown Sandstone and Siltstonekerogenous
black Siltstone, kerogenous
Shale dark grey, finely laminated, bituminous ordour
brown Sandstone kerogenous
Shale dark grey, finely laminated, bituminous ordour
Dolomitic Marlstone, dark grey to brown, distinct laminae, sandstone layers, o
Dolomite argillaceous, medium to dark grey brown, thinly to finely laminated,
black Shale, kerogenous
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
grey to brownish grey Dolomite, thickly laminated, locally silty, trace kerogeno
brown Claystone calcareous, massive to thickly laminated, periodic indistinct l
brown Sandstone kerogenous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3745	356	PEX Dover #2-3059	11	Y	116.4	113.9	116.4
1053	356	PEX Dover 2 -116.8	10	Y	116.8		
1235	358	Rosevale #1-03157	18	Y	116.8	116.2	116.8
1437	360	Rosevale #3-10248	18	Y	117	116	117
828	351	C.A. -92	27	Y	117.04		
1725	478	Test Hole 149	14	Y	117.35		
1236	358	Rosevale #1-03158	18	Y	117.4	116.8	117.4
1055	356	Dover #2 -117.41	2	Y	117.41		
3746	356	PEX Dover #2-3060	11	Y	117.9	116.4	117.9
1237	358	Rosevale #1-03159	18	Y	118	117.4	118
1438	360	Rosevale #3-10249	18	Y	118	117	118
1886	691	118	31	Y	118		
2043	692	118	31	Y	118		
2276	693	118	31	Y	118		
2382	694	118	31	Y	118		
829	351	C.A. -93	27	Y	118.26		
1724	477	Test Hole 136	14	Y	118.26		
1238	358	Rosevale #1-03160	18	Y	118.6	118	118.6
958	355	Dover #1 -118.82	2	Y	118.82		
1742	517	Test Hole 128	14	Y	118.87		
1787	602	Test Hole 50	14	Y	118.87		
1118	356	Dover#2 -119	25	Y	119		
1439	360	Rosevale #3-10250	18	Y	119	118	119
1239	358	Rosevale #1-03161	18	Y	119.2	118.6	119.2
3747	356	PEX Dover #2-3061	11	Y	119.4	117.9	119.4
830	351	C.A. -94	27	Y	119.48		
1056	356	Dover #2 -119.74	2	Y	119.74		
1240	358	Rosevale #1-03162	18	Y	119.8	119.2	119.8
1440	360	Rosevale #3-10251	18	Y	120	119	120
1887	691	120	31	Y	120		
1888	691	120	31	Y	120		
2044	692	120	31	Y	120		
2277	693	120	31	Y	120		
2383	694	120	31	Y	120		
1241	358	Rosevale #1-03163	18	Y	120.4	119.8	120.4
1726	479	Test Hole 150	14	Y	120.4		
959	355	Dover #1 -120.55	2	Y	120.55		
831	351	C.A. -95	27	Y	120.7		

Depth_m	Calc_Elevatio	Group	Formation	Member
	-71.79	Horton	Albert	Fredericks Bro
116.8	-72.19	Horton	Albert	Fredericks Bro
	134.2	Horton	Albert	
	107	Horton	Albert	
117.0432	-21.54	Horton	Albert	
117.35	-97.23	Pictou		
	133.6	Horton	Albert	
117.41	-72.8	Horton	Albert	Fredericks Bro
	-73.29	Horton	Albert	Fredericks Bro
	133	Horton	Albert	
	106	Horton	Albert	
118	-78.6	Horton	Albert	Fredericks Bro
118	-101.27	Horton	Albert	Fredericks Bro
118	-57.09	Horton	Albert	Fredericks Bro
118	-49.59	Horton	Albert	Fredericks Bro
118.2624	-22.76	Horton	Albert	
118.26	-57.3	Pictou		
	132.4	Horton	Albert	
118.82	-82.34	Horton	Albert	Fredericks Bro
118.87	-43.89	Pictou		
118.87	17.07	Pictou		
119	-74.39	Horton	Albert	Fredericks Bro
	105	Horton	Albert	
	131.8	Horton	Albert	
	-74.79	Sussex	Albert	Fredericks Bro
119.4816	-23.98	Horton	Albert	
119.74	-75.13	Horton	Albert	Fredericks Bro
	131.2	Horton	Albert	
	104	Horton	Albert	
120	-80.6	Horton	Albert	Fredericks Bro
120	-80.6	Horton	Albert	Fredericks Bro
120	-103.27	Horton	Albert	Fredericks Bro
120	-59.09	Horton	Albert	Fredericks Bro
120	-51.59	Horton	Albert	Fredericks Bro
	130.6	Horton	Albert	
120.4	-101.5	Pictou		
120.55	-84.08	Horton	Albert	Fredericks Bro
120.7008	-25.2	Horton	Albert	

Sample_Description
Dolomitic Marlstone with flecks of kerogen
Dolomitic Marlstone brown, finely laminated, kerogenous
brown Sandstone kerogenous
black Shale, kerogenous
Dolomite argillaceous, medium to dark grey brown, thinly to finely laminated,
50% Shale, 50% Coal, pyrite nodules, clay
brown dolomitic Siltstone, kerogenous
Dolomitic Marlstone brown, finely laminated, kerogenous
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
brown dolomitic Siltstone, kerogenous
black to brown Shale, kerogenous
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
brownish to brown grey Dolomite, thickly to thinly laminated, kerogenous, 50
brown Claystone calcareous, massive to thickly laminated, periodic indistinct l
Argillaceous Dolomite, medium dark grey brown, thinly to finely laminated, sof
50% Siltstone with clay, 50% Coal, pyrite nodules and replacements
brown dolomitic Siltstone, kerogenous
Dolomitic siltstone tan, finely current bedded
50% polymitic Conglomerate, 40% lithic Sandstone, 5% Coal, 5% quartz fines
65% lithic Sandstone, 5% Siltstone, 30% Coal
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
blue to brown Siltstone, kerogenous
brown dolomitic Siltstone, kerogenous
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
Argillaceous Dolomite, medium dark grey brown, thinly to finely laminated, sof
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
brown kerogenous Shale
blue to brown Siltstone, kerogenous
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
brownish to brown grey Dolomite, thickly to thinly laminated, kerogenous, 50
grey Dolomite massive locally indistinct thick regular laminations, trace grey s
brown Shale kerogenous, grey Sandstone, kerogenous stringers
70% Grey Clay, 30% Coal
Dolomitic siltstone tan, finely current bedded
Argillaceous Dolomite, medium dark grey brown, thinly to finely laminated, sof

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
3748	356	PEX Dover #2-3062	11	Y	120.9	119.4	120.9
1242	358	Rosevale #1-03164	18	Y	121	120.4	121
1441	360	Rosevale #3-10252	18	Y	121	120	121
1243	358	Rosevale #1-03165	18	Y	121.6	121	121.6
660	347	Albert #5 -400	2	Y	121.92		
711	348	C-A6 -400	3	Y	121.92		
832	351	C.A. -96	27	Y	121.92		
3712	325	300-400'	21	Y	121.92	91.44	121.92
1889	691	122	31	Y	122		
2045	692	122	31	Y	122		
2278	693	122	31	Y	122		
2384	694	122	31	Y	122		
1244	358	Rosevale #1-03166	18	Y	122.2	121.6	122.2
3749	356	PEX Dover #2-3063	11	Y	122.4	120.9	122.4
1245	358	Rosevale #1-03167	18	Y	122.8	122.2	122.8
1246	358	Rosevale #1-03168	18	Y	123.4	122.8	123.4
3750	356	PEX Dover #2-3064	11	Y	123.9	122.4	123.9
1247	358	Rosevale #1-03169	18	Y	124	123.4	124
1890	691	124	31	Y	124		
2046	692	124	31	Y	124		
2279	693	124	31	Y	124		
2385	694	124	31	Y	124		
576	347	C-A5 -408	3	Y	124.36		
1248	358	Rosevale #1-03170	18	Y	124.6	124	124.6
3644	3581	20-409ft	39	Y	124.66		
960	355	PEX Dover 1 -107	11	Y	124.7	123.2	124.7
961	355	PEX Dover 1 -124.7	10	Y	124.7		
1057	356	PEX Dover 2 -124.7	10	Y	124.7		
553	345	C-A2 -410	3	Y	124.97		
661	347	Albert #5 -410	2	Y	124.97		
1786	601	Test Hole 49	14	Y	124.97		
157	99	L390-17 - Apohaqui1 - Sample 2	26	Y	125	118.9	125
963	355	Dover #1 -125.00	2	Y	125		
1119	356	Dover#2 -125	25	Y	125		
1249	358	Rosevale #1-03171	18	Y	125.2	124.6	125.2
3751	356	PEX Dover #2-3065	11	Y	125.4	123.9	125.4
1059	356	Dover #2 -125.53	2	Y	125.53		
1250	358	Rosevale #1-03172	18	Y	125.8	125.2	125.8

Depth_m	Calc_Elevatio	Group	Formation	Member
	-76.29	Horton	Albert	Fredericks Bro
	130	Horton	Albert	
	103	Horton	Albert	
	129.4	Horton	Albert	
121.92	-7.62	Horton	Albert	Fredericks Bro
121.92	-1.52	Horton	Albert	
121.92	-26.42	Horton	Albert	
	-117.65			
122	-82.6	Horton	Albert	Fredericks Bro
122	-105.27	Horton	Albert	Fredericks Bro
122	-61.09	Horton	Albert	Fredericks Bro
122	-53.59	Horton	Albert	Fredericks Bro
	128.8	Horton	Albert	
	-77.79	Horton	Albert	Fredericks Bro
	128.2	Horton	Albert	
	127.6	Horton	Albert	
	-79.29	Horton	Albert	Fredericks Bro
	127	Horton	Albert	
124	-84.6	Horton	Albert	Fredericks Bro
124	-107.27	Horton	Albert	Fredericks Bro
124	-63.09	Horton	Albert	Fredericks Bro
124	-55.59	Horton	Albert	Fredericks Bro
124.36	-10.06	Horton	Albert	Fredericks Bro
	126.4	Horton	Albert	
124.66		Horton	Albert	Dawson Settle
123.95	-88.22	Horton	Albert	Fredericks Bro
124.7	-88.22	Horton	Albert	Fredericks Bro
124.7	-80.09	Horton	Albert	Fredericks Bro
124.97	-21.34	Horton	Albert	Fredericks Bro
124.97	-10.67	Horton	Albert	Fredericks Bro
124.97	-17.68	Pictou		
118.9	29.84	Horton	Albert	
125	-88.52	Horton	Albert	Fredericks Bro
125	-80.39	Horton	Albert	Fredericks Bro
	125.8	Horton	Albert	
	-80.79	Horton	Albert	Fredericks Bro
125.53	-80.92	Horton	Albert	Fredericks Bro
	125.2	Horton	Albert	

Sample_Description
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
grey Sandstone, kerogenous stringers
blue to brown Siltstone, kerogenous
grey Sandstone, kerogenous stringers, brown Shale kerogenous
Shale medium grey
Dolomitic Marlstone dark brown, indistinctive microlaminated
Argillaceous Dolomite, medium to dark grey brown, soft sediment brecciation
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
grey Claystone, dolomitic, massive locally indistinct, thickly laminated, strong
grey Dolomite massive locally indistinct thick regular laminations, trace grey s
brown Shale kerogenous
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
brown Shale kerogenous
brown Shale kerogenous
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
brown Sandstone with 40% kerogenous Shale
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
brownish to brownish grey Dolomite, thick to thin laminated, kerogenous, 10%
grey Dolomite massive locally indistinct thick regular laminations, trace grey s
Shale medium grey
brown Sandstone with 40% kerogenous Shale
Mudstone dark grey
Shale finely laminated darkgrey-brown with tan interbeds, sparce pyrite nodul
Shale finely laminated darkgrey-brown with tan interbeds, sparce pyrite nodul
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
Shale medium grey
95% quartzose Sandstone, 5% Coal, trace shale
90% dark grey - 10% medium grey, silty shale with v.f.g. sandstone, very slig
Shale finely laminated darkgrey-brown with tan interbeds, sparce pyrite nodul
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
brown Sandstone with 40% kerogenous Shale
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
blue Sandstone quartzose, pyritic

General_Note	Sample_Type	Palynology
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Sample depth 125.25??		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
1158	357	PEX Boudreau 1 -126.0	10	Y	126		
1891	691	126	31	Y	126		
2047	692	126	31	Y	126		
2280	693	126	31	Y	126		
2386	694	126	31	Y	126		
964	355	PEX Dover 1 -108	11	Y	126.2	124.7	126.2
1251	358	Rosevale #1-08686	18	Y	126.4	125.8	126.4
3752	356	PEX Dover #2-3066	11	Y	126.9	125.4	126.9
1252	358	Rosevale #1-08687	18	Y	127	126.4	127
1060	356	Dover #2 -127.32	2	Y	127.32		
1253	358	Rosevale #1-03101	18	Y	127.6	127	127.6
1160	357	PEX Boudreau 1 -128.0	10	Y	128		
1892	691	128	31	Y	128		
2048	692	128	31	Y	128		
2281	693	128	31	Y	128		
2387	694	128	31	Y	128		
101	42	Urney #1 -420	22	Y	128.02		
1754	553	K.O.G 3 (10)	15	Y	128.02		
1254	358	Rosevale #1-03102	18	Y	128.2	127.6	128.2
965	355	Dover #1 -128.38	2	Y	128.38		
3753	356	PEX Dover #2-3067	11	Y	128.46	126.9	128.46
554	345	C-A2 -422	3	Y	128.63		
966	355	PEX Dover 1 -128.8	10	Y	128.8		
1255	358	Rosevale #1-03103	18	Y	128.8	128.2	128.8
1162	357	PEX Boudreau 1 -3148	11	Y	129.21	127.06	129.21
1256	358	Rosevale #1-03104	18	Y	129.4	128.8	129.4
1257	358	Rosevale #1-03105	18	Y	130	129.4	130
1893	691	130	31	Y	130		
2049	692	130	31	Y	130		
2282	693	130	31	Y	130		
2388	694	130	31	Y	130		
3673	356	128.50-130.00	40	Y	130	128.5	130
1061	356	PEX Dover 2 -130.1	10	Y	130.1		
5	14	Marysville #2 - H-D-27	15	Y	130.15		
1258	358	Rosevale #1-03106	18	Y	130.6	130	130.6
1163	357	PEX Boudreau 1 -3149	11	Y	130.71	129.21	130.71
1164	357	PEX Boudreau 1 -131.0	10	Y	131		
1442	360	Rosevale #3-10263	18	Y	131	130	131

Depth_m	Calc_Elevatio	Group	Formation	Member
126	-117.5	Horton	Albert	
126	-86.6	Horton	Albert	Fredericks Bro
126	-109.27	Horton	Albert	Fredericks Bro
126	-65.09	Horton	Albert	Fredericks Bro
126	-57.59	Horton	Albert	Fredericks Bro
125.25	-89.72	Horton	Albert	Fredericks Bro
	124.6	Horton	Albert	
	-82.29	Horton	Albert	Fredericks Bro
	124	Horton	Albert	
127.32	-82.71	Horton	Albert	Fredericks Bro
	123.4	Horton	Albert	
128	-119.5	Horton	Albert	
128	-88.6	Horton	Albert	Fredericks Bro
128	-111.27	Horton	Albert	Fredericks Bro
128	-67.09	Horton	Albert	Fredericks Bro
128	-59.59	Horton	Albert	Fredericks Bro
128.02	24.38	Horton	Albert	
128.02	-62.78	Cumberland		
	122.8	Horton	Albert	
128.38	-91.91	Horton	Albert	Fredericks Bro
	-83.85	Horton	Albert	Fredericks Bro
128.63	-25	Horton	Albert	Fredericks Bro
128.8	-92.33	Horton	Albert	Fredericks Bro
	122.2	Horton	Albert	
128.13	-120.71	Horton	Albert	
	121.6	Horton	Albert	
	121	Horton	Albert	
130	-90.6	Horton	Albert	Fredericks Bro
130	-113.27	Horton	Albert	Fredericks Bro
130	-69.09	Horton	Albert	Fredericks Bro
130	-61.59	Horton	Albert	Fredericks Bro
	-85.39	Horton	Albert	Fredericks Bro
130.1	-85.49	Horton	Albert	Fredericks Bro
130.15	-122.53	Pictou	Minto	
	120.4	Horton	Albert	
129.96	-122.21	Horton	Albert	
131	-122.5	Horton	Albert	
	93	Horton	Albert	

Sample_Description
Shale silty, dolomitic, grey brown, finely laminated, discontinuous kerogen int
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
90% light grey to brownish grey Dolomite regular thick to thin laminations, loc
brownish grey to grey Claystone, calcareous, thickly laminated, trace kerogen
grey Dolomite massive locally indistinct thick regular laminations, trace grey s
Shale finely laminated darkgrey-brown with tan interbeds, sparce pyrite nodul
blue Sandstone quartzose, pyritic
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
blue Sandstone quartzose, pyritic
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
brown Shale, kerogenous, pyritic bands and nodules
Silty Dolomite tan, finely laminated, fine kerogenous streaks, grades to shale
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
brown grey to grey Dolomite, dolomitic , thickly to thinly laminated, regular loc
brownish grey to grey Claystone, calcareous, thickly laminated, trace kerogen
grey Dolomite massive locally indistinct thick regular laminations, trace grey s
Shale grey NB
Sandstone grey, coal fragments
brown Shale, kerogenous, pyritic bands and nodules
Siltstone to silty shale, grey,
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
Siltstone to silty shale, grey,
grey Sandstone quartzose with pyrite
Silty Dolomite tan, finely laminated, fine kerogenous streaks, grades to shale
brown to black Shale, kerogenous, siltstone bands
brown to black Shale, kerogenous, siltstone bands
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
brown grey to grey Dolomite, dolomitic , thickly to thinly laminated, regular loc
brownish grey to grey Claystone, calcareous, thickly laminated, trace kerogen
dark grey to dark brown grey Dolomite, thickly to thinly laminated, locally very
Dolomitic Marlstone brown to grey brown, finely laminated, kerogenous
Silty Sandstone grey brown, bitumenous ordour
siltstone claystone, grey to dark, 4"Carb matter- lost core, Coal
brown Shale, kerogenous, siltstone bands
Silty grey shale, finely laminated, scattered kerogen streaks, fish scales
Silty grey shale, finely laminated, scattered kerogen streaks, fish scales
50% black Siltstone, 50% black to brown Shale, kerogenous

General_Note	Sample_Type	Palynology
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Marysville, 2.5 mi NE of Fredericton	Core	☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
1259	358	Rosevale #1-03107	18	Y	131.2	130.6	131.2
3674	356	130.00-131.50	40	Y	131.5	130	131.5
970	355	Dover #1 -131.69	2	Y	131.69		
1260	358	Rosevale #1-03108	18	Y	131.8	131.2	131.8
712	348	C-A6 -433	3	Y	131.98		
1063	356	PEX Dover 2 -132.0	10	Y	132		
1443	360	Rosevale #3-10264	18	Y	132	131	132
1894	691	132	31	Y	132		
2050	692	132	31	Y	132		
2283	693	132	31	Y	132		
2389	694	132	31	Y	132		
1166	357	PEX Boudreau 1 -3150	11	Y	132.21	130.71	132.21
2850	357	C-099488	34	Y	132.21	129.21	132.21
1261	358	Rosevale #1-03109	18	Y	132.4	131.8	132.4
588	337	AB1 -436	3	Y	132.89		
1262	358	Rosevale #1-03110	18	Y	133	132.4	133
1444	360	Rosevale #3-10265	18	Y	133	132	133
3675	356	131.50-133.00	40	Y	133	131.5	133
1263	358	Rosevale #1-03111	18	Y	133.6	133	133.6
1167	357	PEX Boudreau 1 -3197	11	Y	133.66	132.21	133.66
1445	360	Rosevale #3-10266	18	Y	134	133	134
1580	362	Rosevale #5-10295	18	Y	134	133	134
1895	691	134	31	Y	134		
2051	692	134	31	Y	134		
2284	693	134	31	Y	134		
2390	694	134	31	Y	134		
3676	356	133.00-134.00	40	Y	134	133	134
663	347	Albert #5 -440	2	Y	134.11		
1264	358	Rosevale #1-03112	18	Y	134.2	133.6	134.2
639	340	L390-21 - Arco Rosevale1 - Samp	26	Y	134.76	134.63	134.76
1265	358	Rosevale #1-03113	18	Y	134.8	134.2	134.8
1169	357	PEX Boudreau 1 -135.0	10	Y	135		
1446	360	Rosevale #3-10267	18	Y	135	134	135
1581	362	Rosevale #5-10296	18	Y	135	134	135
1168	357	PEX Boudreau 1 -3198	11	Y	135.11	133.66	135.11
1266	358	Rosevale #1-03114	18	Y	135.4	134.8	135.4
1267	358	Rosevale #1-03115	18	Y	136	135.4	136
1447	360	Rosevale #3-10268	18	Y	136	135	136

Depth_m	Calc_Elevatio	Group	Formation	Member
	119.8	Horton	Albert	
	-86.89	Horton	Albert	Fredericks Bro
131.69	-95.22	Horton	Albert	Fredericks Bro
	119.2	Horton	Albert	
131.98	-11.58	Horton	Albert	
132	-87.39	Horton	Albert	Fredericks Bro
	92	Horton	Albert	
132	-92.6	Horton	Albert	Fredericks Bro
132	-115.27	Horton	Albert	Fredericks Bro
132	-71.09	Horton	Albert	Fredericks Bro
132	-63.59	Horton	Albert	Fredericks Bro
131.46	-123.71	Horton	Albert	
	-123.71	Horton	Albert	Fredericks Bro
	118.6	Horton	Albert	
132.89	-102.41	Horton	Albert	
	118	Horton	Albert	
	91	Horton	Albert	
	-88.39	Horton	Albert	Fredericks Bro
	117.4	Horton	Albert	
132.94	-125.16000	Horton	Albert	
	90	Horton	Albert	
	101	Horton	Albert	
134	-94.6	Horton	Albert	Fredericks Bro
134	-117.27	Horton	Albert	Fredericks Bro
134	-73.09	Horton	Albert	Fredericks Bro
134	-65.59	Horton	Albert	Fredericks Bro
	-89.39	Horton	Albert	Fredericks Bro
134.11	-19.81	Horton	Albert	Fredericks Bro
	116.8	Horton	Albert	
134.7	14.59	Horton	Albert	
	116.2	Horton	Albert	
135	-126.5	Horton	Albert	
	89	Horton	Albert	
	100	Horton	Albert	
134.39	-126.61000	Horton	Albert	
	115.6	Horton	Albert	
	115	Horton	Albert	
	88	Horton	Albert	

Sample_Description
brown Shale, kerogenous, siltstone bands
Silty Shale grey, abundant fish scales, broken with slickensides
Siltstone to silty shale, grey, calcite vein
brown Shale, kerogenous, siltstone bands
Dolomitic Marlstone dark brown, variable microlaminated
Silty Shale grey, abundant fish scales, broken with slickensides
black to brown Shale, kerogenous
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
brown grey to grey Dolomite, dolomitic , thickly to thinly laminated, regular loc
brownish grey to grey Claystone, calcareous, thickly laminated, trace kerogen
dark grey to dark brown grey Dolomite, thickly to thinly laminated, locally very
Silty grey shale, finely laminated, scattered kerogen streaks, fish scales
Silty Shale grey, finely laminated, scattered discontinuous kerogen streaks, fi
brown Shale, kerogenous, local siltstone bands, bituminous lenses
Interbedded Siltstone - Sandstone medium grey, micaceous, hard
brown Shale, kerogenous, local siltstone bands, bituminous lenses
black to brown Shale, kerogenous
Silty Shale grey, abundant fish scales, broken with slickensides
brown Shale, kerogenous, local siltstone bands, bituminous lenses
Silty grey shale, finely laminated, scattered kerogen streaks, fish scales
black to brown Shale, kerogenous, minor blue Siltstone
40% brown Sandstone, quartzose calcareous, 60% brown to blue to grey Silts
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
grey to brown grey Claystone regular and slightly offset thick to thin laminatio
brown grey to grey Dolostone, massive to thick laminations, some kerogenou
dark grey to dark brown grey Dolomite, thickly to thinly laminated, locally very
Silty Shale grey, abundant fish scales, broken with slickensides
Shale medium grey
brown Siltstone, kerogenous
Parallel laminations, micro laminations, lenticular laminations of silt, medium
brown Shale, kerogenous
Silty grey shale, finely laminated, scattered kerogen streaks, fish scales
blue to brown Siltstone, kerogenous, 20% brown intraformational Conglomera
brown to blue to grey Siltstone, calcareous, kerogenous stringers
Silty grey shale, finely laminated, scattered kerogen streaks, fish scales
interbedded brown 80% Shale, kerogenous, 20% Sandstone
brown Siltstone, kerogenous
blue to grey Siltstone, kerogenous stringers

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1582	362	Rosevale #5-10297	18	Y	136	135	136
1896	691	136	31	Y	136		
2052	692	136	31	Y	136		
2285	693	136	31	Y	136		
2391	694	136	31	Y	136		
1171	357	PEX Boudreau 1 -3199	11	Y	136.56	135.11	136.56
1268	358	Rosevale #1-03116	18	Y	136.6	136	136.6
1448	360	Rosevale #3-10269	18	Y	137	136	137
1583	362	Rosevale #5-10298	18	Y	137	136	137
1269	358	Rosevale #1-03117	18	Y	137.2	136.6	137.2
1270	358	Rosevale #1-03118	18	Y	137.8	137.2	137.8
1449	360	Rosevale #3-10270	18	Y	138	137	138
1897	691	138	31	Y	138		
2053	692	138	31	Y	138		
2286	693	138	31	Y	138		
2392	694	138	31	Y	138		
136	96	L390-10 - Lower Millstream 8 - Sa	26	Y	138.1	138	138.1
1172	357	PEX Boudreau 1 -3200	11	Y	138.24	136.56	138.24
1271	358	Rosevale #1-03119	18	Y	138.4	137.8	138.4
1065	356	PEX Dover 2 -138.5	10	Y	138.5		
1173	357	PEX Boudreau 1 -138.6	10	Y	138.6		
1272	358	Rosevale #1-03120	18	Y	139	138.4	139
1450	360	Rosevale #3-10271	18	Y	139	138	139
1273	358	Rosevale #1-03121	18	Y	139.6	139	139.6
1451	360	Rosevale #3-10272	18	Y	140	139	140
1898	691	140	31	Y	140		
2054	692	140	31	Y	140		
2287	693	140	31	Y	140		
2393	694	140	31	Y	140		
1274	358	Rosevale #1-03122	18	Y	140.2	139.6	140.2
3697	42	390-460'	21	Y	140.21	118.872	140.208
3754	356	PEX Dover #2-3068	11	Y	140.64	138.64	140.64
1275	358	Rosevale #1-03123	18	Y	140.8	140.2	140.8
555	345	C-A2 -462	3	Y	140.82		
1452	360	Rosevale #3-10273	18	Y	141	140	141
1276	358	Rosevale #1-03124	18	Y	141.4	140.8	141.4
1175	357	PEX Boudreau 1 -141.6	10	Y	141.6		
1277	358	Rosevale #1-03125	18	Y	142	141.4	142

Depth_m	Calc_Elevatio	Group	Formation	Member
	99	Horton	Albert	
136	-96.6	Horton	Albert	Fredericks Bro
136	-119.27	Horton	Albert	Fredericks Bro
136	-75.09	Horton	Albert	Fredericks Bro
136	-67.59	Horton	Albert	Fredericks Bro
135.84	-128.06	Horton	Albert	
	114.4	Horton	Albert	
	87	Horton	Albert	
	98	Horton	Albert	
	113.8	Horton	Albert	
	113.2	Horton	Albert	
	86	Horton	Albert	
138	-98.6	Horton	Albert	Fredericks Bro
138	-121.27	Horton	Albert	Fredericks Bro
138	-77.09	Horton	Albert	Fredericks Bro
138	-69.59	Horton	Albert	Fredericks Bro
138	-8.1	Sussex	Weldon	Undivided
137.4	-129.74001	Horton	Albert	
	112.6	Horton	Albert	
138.5	-93.89	Horton	Albert	Fredericks Bro
138.6	-130.10001	Horton	Albert	
	112	Horton	Albert	
	85	Horton	Albert	
	111.4	Horton	Albert	
	84	Horton	Albert	
140	-100.6	Horton	Albert	Fredericks Bro
140	-123.27	Horton	Albert	Fredericks Bro
140	-79.09	Horton	Albert	Fredericks Bro
140	-71.59	Horton	Albert	Fredericks Bro
	110.8	Horton	Albert	
	12.19	Horton	Albert	
	-96.03	Horton	Albert	Fredericks Bro
	110.2	Horton	Albert	
140.82	-37.19	Horton	Albert	Fredericks Bro
	83	Horton	Albert	
	109.6	Horton	Albert	
141.6	-133.10001	Horton	Albert	
	109	Horton	Albert	

Sample_Description
brown to blue to grey Siltstone, calcareous, kerogenous stringers
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
grey to brown grey Claystone regular and slightly offset thick to thin laminatio
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
dark grey to dark brown grey Dolomite, thickly to thinly laminated, locally very
Silty grey shale, finely laminated, scattered kerogen streaks, fish scales
interbedded brown 80% Shale, 20% Siltstone both kerogenous
blue to grey Siltstone, kerogenous stringers
50% brown to blue to grey Siltstone, calcareous, kerogenous stringers, 50% g
interbedded brown 60% Siltstone, 40% Shale both kerogenous
brown Shale, kerogenous, minor siltstone beds
blue to grey Siltstone, kerogenous stringers
grey to brownish grey Dolomite, dolomitic, thickly laminated to very thinly bed
grey to brown grey Dolomite thickly to thinly laminated, laminations regular, lo
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
dark grey to dark brown grey Dolomite, thickly to thinly laminated, locally very
Beds of mottled siltstone with irregular parallel laminations of sandstone with
Silty Shale dolomitic, with bands of abundant kerogenous laminations
brown to black Shale, kerogenous
Silty Shale grey, broken with slickensides
Silty Shale brown, finely laminated, sparse kerogen flecks, fish scales
brown to black Shale, kerogenous
grey Siltstone, kerogenous stringers, 40% grey Sandstone
grey Sandstone quartzose
grey Siltstone, kerogenous stringers
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
grey to brown grey Dolomite thickly to thinly laminated, laminations regular, lo
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
dark grey to dark brown grey Dolomite, thickly to thinly laminated, locally very
grey Sandstone quartzose
Dolomitic Shale, brown, sporatic kerogenous interlaminations
brown Shale, calcareous, kerogenous
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
grey Siltstone, kerogenous stringers, minor intraformational Conglomerate
brown Shale, calcareous, kerogenous
Silty Shale brown, finely laminated, sparse kerogen flecks, fish scales
brown Shale, calcareous, kerogenous, minor siltstone beds

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
1453	360	Rosevale #3-10274	18	Y	142	141	142
1899	691	142	31	Y	142		
2055	692	142	31	Y	142		
2288	693	142	31	Y	142		
2394	694	142	31	Y	142		
3755	356	PEX Dover #2-3069	11	Y	142.04	140.64	142.04
1278	358	Rosevale #1-03126	18	Y	142.6	142	142.6
1454	360	Rosevale #3-10275	18	Y	143	142	143
1279	358	Rosevale #1-03127	18	Y	143.2	142.6	143.2
20	38	McLeod Brook 1 -143.25	25	Y	143.25		
665	347	Albert #5 -470	2	Y	143.26		
3756	356	PEX Dover #2-3070	11	Y	143.44	142.04	143.44
713	348	C-A6 -471	3	Y	143.56		
1280	358	Rosevale #1-03128	18	Y	143.8	143.2	143.8
1455	360	Rosevale #3-10276	18	Y	144	143	144
1900	691	144	31	Y	144		
1901	691	144	31	Y	144		
2056	692	144	31	Y	144		
2289	693	144	31	Y	144		
2395	694	144	31	Y	144		
1281	358	Rosevale #1-03129	18	Y	144.4	143.8	144.4
971	355	PEX Dover 1 -144.5	10	Y	144.5		
1177	357	PEX Boudreau 1 -144.6	10	Y	144.6		
666	347	Albert #5 -475	2	Y	144.78		
3757	356	PEX Dover #2-3071	11	Y	144.84	143.44	144.84
1282	358	Rosevale #1-03130	18	Y	145	144.4	145
1456	360	Rosevale #3-10277	18	Y	145	144	145
1812	345	475-476	29	Y	145.08	144.78	145.08
1283	358	Rosevale #1-03131	18	Y	145.6	145	145.6
1179	357	PEX Boudreau 1 -146.0	10	Y	146		
1457	360	Rosevale #3-10278	18	Y	146	145	146
1902	691	146	31	Y	146		
1903	691	146	31	Y	146		
2057	692	146	31	Y	146		
2290	693	146	31	Y	146		
2396	694	146	31	Y	146		
1284	358	Rosevale #1-03132	18	Y	146.2	145.6	146.2
3758	356	PEX Dover #2-3072	11	Y	146.24	144.84	146.24

Depth_m	Calc_Elevatio	Group	Formation	Member
	82	Horton	Albert	
142	-102.6	Horton	Albert	Fredericks Bro
142	-125.27	Horton	Albert	Fredericks Bro
142	-81.09	Horton	Albert	Fredericks Bro
142	-73.59	Horton	Albert	Fredericks Bro
	-97.43	Horton	Albert	Fredericks Bro
	108.4	Horton	Albert	
	81	Horton	Albert	
	107.8	Horton	Albert	
143.25	-25.6	Sussex		
143.26	-28.96	Horton	Albert	Fredericks Bro
	-98.83	Horton	Albert	Fredericks Bro
143.56	-23.16	Horton	Albert	
	107.2	Horton	Albert	
	80	Horton	Albert	
144	-104.6	Horton	Albert	Fredericks Bro
144	-104.6	Horton	Albert	Fredericks Bro
144	-127.27	Horton	Albert	Fredericks Bro
144	-83.09	Horton	Albert	Fredericks Bro
144	-75.59	Horton	Albert	Fredericks Bro
	106.6	Horton	Albert	
144.5	-108.02	Horton	Albert	Fredericks Bro
144.6	-136.10001	Horton	Albert	
144.78	-30.48	Horton	Albert	Fredericks Bro
	-100.23	Horton	Albert	Fredericks Bro
	106	Horton	Albert	
	79	Horton	Albert	
145.08	-41.45	Horton	Albert	Fredericks Bro
	105.4	Horton	Albert	
146	-137.5	Horton	Albert	
	78	Horton	Albert	
146	-106.6	Horton	Albert	Fredericks Bro
146	-106.6	Horton	Albert	Fredericks Bro
146	-129.27	Horton	Albert	Fredericks Bro
146	-85.09	Horton	Albert	Fredericks Bro
146	-77.59	Horton	Albert	Fredericks Bro
	104.8	Horton	Albert	
	-101.63	Horton	Albert	Fredericks Bro

Sample_Description
blue to brown Siltstone, kerogenous
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
grey to brown grey Dolomite thickly to thinly laminated, laminations regular, lo
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
dark grey to dark brown grey Dolomite, thickly to thinly laminated, locally very
Dolomitic Shale, brown, sporatic kerogenous interlaminations
brown Shale, calcareous, kerogenous
blue to brown Siltstone, kerogenous
brown Shale, calcareous, kerogenous
Ss: green/grey & bf mot, fine grained & light to dark grey local green & red m
Dolomitic Marlstone, dark brown, microlaminated
Dolomitic Shale, brown, sporatic kerogenous interlaminations
Dolomitic Marlstone dark brown, distinctly laminated
brown Shale, calcareous, kerogenous
brown to black Shale, sandy bands
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
85% light grey to grey Claystone dolomitic, thickly laminated to massive, lami
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
grey to brownish grey Dolomite thick to thin silty laminations, regulare, locally
brown Shale, dolomitic, kerogenous
Siltstone, medium grey, calcite vein
Silty Shale brown, finely laminated, sparse kerogen flecks, fish scales
Dolomitic Marlstone, dark brown, microlaminated
Dolomitic Shale, brown, sporatic kerogenous interlaminations
brown Shale, dolomitic, kerogenous
brown to black Shale, sandy bands
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
80% brown Shale, calcareous, kerogenous, 20% grey to brown Sandstone, q
Silty Shale brown, finely laminated, sparse kerogen flecks, fish scales
brown Shale, kerogenous, silty bands
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
85% light grey to grey Claystone dolomitic, thickly laminated to massive, lami
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
grey to brown Sandstone, quartzose, oil stain
Dolomitic Shale, brown, sporatic kerogenous interlaminations

General_Note	Sample_Type	Palynology
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	Cuttings	☐
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Not Sure of Reason For Double Sampling		☐
Not Sure of Reason For Double Sampling		☐
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Not Sure of Reason For Double Sampling		☐
Not Sure of Reason For Double Sampling		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
577	347	C-A5 -480	3	Y	146.3		
1285	358	Rosevale #1-03133	18	Y	146.8	146.2	146.8
1458	360	Rosevale #3-10279	18	Y	147	146	147
1286	358	Rosevale #1-03134	18	Y	147.4	146.8	147.4
3759	356	PEX Dover #2-3073	11	Y	147.64	146.24	147.64
591	337	AB1 -485	3	Y	147.83		
1287	358	Rosevale #1-03135	18	Y	148	147.4	148
1459	360	Rosevale #3-10280	18	Y	148	147	148
1904	691	148	31	Y	148		
2058	692	148	31	Y	148		
2291	693	148	31	Y	148		
2397	694	148	31	Y	148		
973	355	PEX Dover 1 -122	11	Y	148.1	146.1	148.1
1688	370	Upper Dorchester 2 -1	8	Y	148.1		
1288	358	Rosevale #1-03136	18	Y	148.6	148	148.6
1460	360	Rosevale #3-10281	18	Y	149	148	149
3760	356	PEX Dover #2-3074	11	Y	149.04	147.64	149.04
1289	358	Rosevale #1-03137	18	Y	149.2	148.6	149.2
668	347	Albert #5 -490	2	Y	149.35		
1290	358	Rosevale #1-03138	18	Y	149.8	149.2	149.8
1461	360	Rosevale #3-10282	18	Y	150	149	150
1905	691	150	31	Y	150		
2059	692	150	31	Y	150		
2292	693	150	31	Y	150		
2398	694	150	31	Y	150		
3761	356	PEX Dover #2-3075	11	Y	150.38	149.04	150.38
1291	358	Rosevale #1-03139	18	Y	150.4	149.8	150.4
669	347	Albert #5 -495	2	Y	150.88		
1292	358	Rosevale #1-03140	18	Y	151	150.4	151
1462	360	Rosevale #3-10283	18	Y	151	150	151
1463	360	Rosevale #3-10284	18	Y	151.5	151	151.5
1293	358	Rosevale #1-03141	18	Y	151.6	151	151.6
1689	370	Upper Dorchester 2 -2	8	Y	151.6		
1906	691	152	31	Y	152		
2060	692	152	31	Y	152		
2293	693	152	31	Y	152		
2399	694	152	31	Y	152		
1294	358	Rosevale #1-03142	18	Y	152.2	151.6	152.2

Depth_m	Calc_Elevatio	Group	Formation	Member
146.3	-32	Horton	Albert	Fredericks Bro
	104.2	Horton	Albert	
	77	Horton	Albert	
	103.6	Horton	Albert	
	-103.03	Horton	Albert	Fredericks Bro
147.83	-117.35	Horton	Albert	
	103	Horton	Albert	
	76	Horton	Albert	
148	-108.6	Horton	Albert	Fredericks Bro
148	-131.27	Horton	Albert	Fredericks Bro
148	-87.09	Horton	Albert	Fredericks Bro
148	-79.59	Horton	Albert	Fredericks Bro
147.1	-111.63	Horton	Albert	Fredericks Bro
148.1	-144.1	Windsor	Lime-kiln Bro	
	102.4	Horton	Albert	
	75	Horton	Albert	
	-104.43	Horton	Albert	Fredericks Bro
	101.8	Horton	Albert	
149.35	-35.05	Horton	Albert	Fredericks Bro
	101.2	Horton	Albert	
	74	Horton	Albert	
150	-110.6	Horton	Albert	Fredericks Bro
150	-133.27	Horton	Albert	Fredericks Bro
150	-89.09	Horton	Albert	Fredericks Bro
150	-81.59	Horton	Albert	Fredericks Bro
	-105.77	Horton	Albert	Fredericks Bro
	100.6	Horton	Albert	
150.88	-36.58	Horton	Albert	Fredericks Bro
	100	Horton	Albert	
	73	Horton	Albert	
	72.5	Horton	Albert	
	99.4	Horton	Albert	
151.6	-147.6	Windsor	Lime-kiln Bro	
152	-112.6	Horton	Albert	Fredericks Bro
152	-135.27	Horton	Albert	Fredericks Bro
152	-91.09	Horton	Albert	Fredericks Bro
152	-83.59	Horton	Albert	Fredericks Bro
	98.8	Horton	Albert	

Sample_Description
Dolomitic Marlstone, dark brown, microlaminated
blue to brown Siltstone oil stain
brown Shale, kerogenous, silty bands
blue to brown Siltstone oil stain
Dolomitic Marlstone, pale brown, finely laminated, abundant kerogenous lami
Sandstone light brown
brown Siltstone, kerogenous, oil stain
brown Shale, kerogenous, silty bands
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
dark grey to brownish grey Dolomite thickly to thinly laminated, locally brecciat
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Silty Shale, dolomitic, grey, fine current bedding tan and grey, local calcite vei
Dark grey, hackly fracturing, moderately calcareous mudstone.
brown Siltstone, kerogenous, oil stain
brown Siltstone, kerogenous stringers
Dolomitic Marlstone, pale brown, finely laminated, abundant kerogenous lami
interbedded brown Sandstone and kerogenous Shale
Dolomitic Marlstone, dark brown, microlaminated
interbedded brown Sandstone and kerogenous Shale
brown Shale, kerogenous
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
grey to brown grey Dolomite, regular laminations, slightly offset laminations di
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Dolomitic Marlstone, pale brown, finely laminated, abundant kerogenous lami
brown Shale, kerogenous
Dolomitic Marlstone, dark brown, microlaminated
brown Shale, kerogenous
brown Shale, kerogenous
brown Shale, kerogenous
brown Shale, kerogenous
Dark grey, slightly mxs, vfg sst to slst (moderately calc.).
light grey to grey Claystone, dolomitic, discontinous thick laminations, locally
grey to brown grey Dolomite, regular laminations, slightly offset laminations di
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
brown Shale, kerogenous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1813	345	499-500	29	Y	152.4	152.09	152.4
1295	358	Rosevale #1-03143	18	Y	152.8	152.2	152.8
1296	358	Rosevale #1-03144	18	Y	153.4	152.8	153.4
1181	357	PEX Boudreau 1 -153.8	10	Y	153.8		
578	347	C-A5 -505	3	Y	153.92		
671	347	Albert #5 -505	2	Y	153.92		
714	348	C-A6 -505	3	Y	153.92		
1297	358	Rosevale #1-03145	18	Y	154	153.4	154
1907	691	154	31	Y	154		
2061	692	154	31	Y	154		
2294	693	154	31	Y	154		
2400	694	154	31	Y	154		
1814	345	506-507	29	Y	154.53	154.23	154.53
1298	358	Rosevale #1-03146	18	Y	154.6	154	154.6
119	89	L390-3 - Lower Millstream - Samp	26	Y	154.97	154.86	154.97
1299	358	Rosevale #1-03147	18	Y	155.2	154.6	155.2
974	355	PEX Dover 1 -119	11	Y	155.4	153.3	155.4
1300	358	Rosevale #1-08688	18	Y	155.8	155.2	155.8
1908	691	156	31	Y	156		
2062	692	156	31	Y	156		
2295	693	156	31	Y	156		
2401	694	156	31	Y	156		
1301	358	Rosevale #1-08689	18	Y	156.4	155.8	156.4
1302	358	Rosevale #1-08690	18	Y	157	156.4	157
1690	370	Upper Dorchester 2 -3	8	Y	157		
1815	345	514-516	29	Y	157.28	156.67	157.28
1303	358	Rosevale #1-08691	18	Y	157.6	157	157.6
126	93	L390-7 - Lower Millstream 5 - Sa	26	Y	157.79	157.73	157.79
1909	691	158	31	Y	158		
2063	692	158	31	Y	158		
2296	693	158	31	Y	158		
2402	694	158	31	Y	158		
1304	358	Rosevale #1-08692	18	Y	158.2	157.6	158.2
672	347	Albert #5 -520	2	Y	158.5		
975	355	Dover #1 -158.57	2	Y	158.57		
731	349	C-A7 -521	3	Y	158.8		
1305	358	Rosevale #1-08693	18	Y	158.8	158.2	158.8
1306	358	Rosevale #1-08694	18	Y	159.4	158.8	159.4

Depth_m	Calc_Elevatio	Group	Formation	Member
152.4	-48.77	Horton	Albert	Fredericks Bro
	98.2	Horton	Albert	
	97.6	Horton	Albert	
153.8	-145.30000	Horton	Albert	
153.92	-39.62	Horton	Albert	Fredericks Bro
153.92	-39.62	Horton	Albert	Fredericks Bro
153.92	-33.52	Horton	Albert	
	97	Horton	Albert	
154	-114.6	Horton	Albert	Fredericks Bro
154	-137.27	Horton	Albert	Fredericks Bro
154	-93.09	Horton	Albert	Fredericks Bro
154	-85.59	Horton	Albert	Fredericks Bro
154.53	-50.9	Horton	Albert	Fredericks Bro
	96.4	Horton	Albert	
154.9	-79.97	Horton	Albert	
	95.8	Horton	Albert	
154.25	-118.92	Horton	Albert	Fredericks Bro
	95.2	Horton	Albert	
156	-116.6	Horton	Albert	Fredericks Bro
156	-139.27	Horton	Albert	Fredericks Bro
156	-95.09	Horton	Albert	Fredericks Bro
156	-87.59	Horton	Albert	Fredericks Bro
	94.6	Horton	Albert	
	94	Horton	Albert	
157	-153	Windsor	Lime-kiln Bro	
157.28	-53.65	Horton	Albert	Fredericks Bro
	93.4	Horton	Albert	
157.8	-107.79	Sussex	Weldon	Undivided
158	-118.6	Horton	Albert	Fredericks Bro
158	-141.27	Horton	Albert	Fredericks Bro
158	-97.09	Horton	Albert	Fredericks Bro
158	-89.59	Horton	Albert	Fredericks Bro
	92.8	Horton	Albert	
158.5	-44.2	Horton	Albert	Fredericks Bro
158.57	-122.1	Horton	Albert	Fredericks Bro
158.8	-29.26	Horton	Albert	
	92.2	Horton	Albert	
	91.6	Horton	Albert	

Sample_Description
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
brown Shale, kerogenous
grey Sandstone kerogenous with Shale beds
Silty Shale brown, finely laminated, sparse kerogen flecks, fish scales
Dolomitic Marlstone, dark brown, microlaminated
Dolomitic Marlstone, dark brown, microlaminated
Dolomitic Marlstone dark brown, variable microlaminated
brown Shale, kerogenous
grey to dark grey Claystone, dolomitic, slightly contorted thick laminations, loc
grey to brown grey Dolomite, regular laminations, slightly offset laminations di
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
grey to brown grey Claystone dolomitic, thick silty laminations, regular, locally
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
brown to grey Siltstone, kerogenous
Discontinuous parallel, lenticular laminations, Medium dark grey-green & dark
brown to grey Siltstone, kerogenous
Mudstone dark grey to grey brown, finely laminated with possible bituminous l
grey Siltstone
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to brown grey Dolomite, regular laminations, slightly offset laminations di
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
brown grey to grey Sandstone massive to very thinly bedded, medium to coar
grey Siltstone
grey Shale
Dk grey, lightly calc. Kerogenous sandy mudstone or sandy limestone - smell
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
grey Shale
Parallel laminations that are mottled and bioturbated, dark green-grey, silt wit
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to brown grey Dolomite, regular laminations, slightly offset laminations di
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
greyClaystone dolomitic, thick laminations, regular, silty and sandy claystone l
brown Sandstone
Claystone, medium grey, rubblized to angular chuncks
Siltstone medium grey
Sandstone medium to coarse grained, oil bearing
brown Siltstone, kerogenous
brown Siltstone, kerogenous

General_Note	Sample_Type	Palynology
	Core	☐
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See Also Reference 13		☐
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	Core	☐
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See Also Reference 13		☐
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Sample depth 158.87??		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1307	358	Rosevale #1-08695	18	Y	160	159.4	160
1910	691	160	31	Y	160		
2064	692	160	31	Y	160		
2297	693	160	31	Y	160		
2403	694	160	31	Y	160		
673	347	Albert #5 -525	2	Y	160.02		
1067	356	PEX Dover 2 -218	11	Y	160.82	158.25	160.82
1584	362	Rosevale #5-10299	18	Y	161	160	161
3632	330	7-530ft	39	Y	161.54	155.45	161.54
1816	345	530-531	29	Y	161.85	161.54	161.85
1585	362	Rosevale #5-10300	18	Y	162	161	162
1911	691	162	31	Y	162		
2065	692	162	31	Y	162		
2298	693	162	31	Y	162		
2404	694	162	31	Y	162		
1068	356	PEX Dover 2 -219	11	Y	162.75	161.25	162.75
1586	362	Rosevale #5-08501	18	Y	163	162	163
674	347	Albert #5 -535	2	Y	163.07		
976	355	PEX Dover 1 -163.4	10	Y	163.4		
1070	356	PEX Dover 2 -164.0	10	Y	164		
1587	362	Rosevale #5-08502	18	Y	164	163	164
1912	691	164	31	Y	164		
2066	692	164	31	Y	164		
2299	693	164	31	Y	164		
2405	694	164	31	Y	164		
1069	356	PEX Dover 2 -220	11	Y	164.25	162.75	164.25
2848	339	C-099500	34	Y	164.6		
978	355	PEX Dover 1 -123	11	Y	165.3	163.8	165.3
1073	356	PEX Dover 2 -165.5	10	Y	165.5		
1817	345	541-543	29	Y	165.51	164.9	165.51
1072	356	PEX Dover 2 -221	11	Y	165.75	164.25	165.75
1913	691	166	31	Y	166		
2067	692	166	31	Y	166		
2300	693	166	31	Y	166		
2406	694	166	31	Y	166		
556	345	C-A2 -546	3	Y	166.42		
979	355	PEX Dover 1 -124	11	Y	166.8	165.3	166.8
980	355	Dover #1 -166.93	2	Y	166.93		

Depth_m	Calc_Elevatio	Group	Formation	Member
	91	Horton	Albert	
160	-120.6	Horton	Albert	Fredericks Bro
160	-143.27	Horton	Albert	Fredericks Bro
160	-99.09	Horton	Albert	Fredericks Bro
160	-91.59	Horton	Albert	Fredericks Bro
160.02	-45.72	Horton	Albert	Fredericks Bro
159.53	-116.21	Horton	Albert	Fredericks Bro
	74	Horton	Albert	
	-142.03	Cumberland	Boss Point	
161.85	-58.22	Horton	Albert	Fredericks Bro
	73	Horton	Albert	
162	-122.6	Horton	Albert	Fredericks Bro
162	-145.27	Horton	Albert	Fredericks Bro
162	-101.09	Horton	Albert	Fredericks Bro
162	-93.59	Horton	Albert	Fredericks Bro
162	-118.14	Horton	Albert	Fredericks Bro
	72	Horton	Albert	
163.07	-48.77	Horton	Albert	Fredericks Bro
163.4	-126.92	Horton	Albert	Fredericks Bro
164	-119.39	Horton	Albert	Fredericks Bro
	71	Horton	Albert	
164	-124.6	Horton	Albert	Fredericks Bro
164	-147.27	Horton	Albert	Fredericks Bro
164	-103.09	Horton	Albert	Fredericks Bro
164	-95.59	Horton	Albert	Fredericks Bro
163.5	-119.64	Horton	Albert	Fredericks Bro
164.6	-105.15	Horton	Albert	Fredericks Bro
164.55	-128.83	Horton	Albert	Fredericks Bro
165.5	-120.89	Horton	Albert	Fredericks Bro
165.51	-61.88	Horton	Albert	Fredericks Bro
165	-121.14	Horton	Albert	Fredericks Bro
166	-126.6	Horton	Albert	Fredericks Bro
166	-149.27	Horton	Albert	Fredericks Bro
166	-105.09	Horton	Albert	Fredericks Bro
166	-97.59	Horton	Albert	Fredericks Bro
166.42	-62.79	Horton	Albert	Fredericks Bro
166.05	-130.33	Horton	Albert	Fredericks Bro
166.93	-130.45	Horton	Albert	Fredericks Bro

Sample_Description
brown Conglomerate
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to brown grey Dolomite, regular laminations, slightly offset laminations di
brown grey to grey Claystone, calcareous, thickly laminated, silty, trace kerog
greyClaystone dolomitic, thick laminations, regular, silty and sandy claystone l
Dolomitic Marlstone, dark brown, microlaminated
Silty Shale light grey, sporatic bands of kerogen laminae
grey to brown Shale, kerogenous
40% dark grey Siltstone, 40% dark grey to brown Shale, 10% red brown Shal
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
70% grey to brown Shale, kerogenous, 30% brown Siltstone, kerogenous
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to brown grey Dolomite, regular laminations, slightly offset laminations di
brownisht to brownish grey Dolomite, thick to thinly laminated, kerogenous, lo
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Silty Shale light tan, sporatic bands of kerogen laminae and pyritic streaks, la
70% grey Shale, kerogenous stringers, 30% brown Siltstone, kerogenous
Dolomitic Marlstone, dark brown, microlaminated
Silty Shale dark grey with tan interlaminations, finely laminated, tiny pyrite cry
Silty Shale light tan, sporatic bands of kerogen laminae and pyritic streaks, la
85% grey Shale, kerogenous stringers, 15% brown Shale, kerogenous
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to brown grey Dolomite regular thin kerogenous laminations locally highl
brownisht to brownish grey Dolomite, thick to thinly laminated, kerogenous, lo
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Silty Shale light tan, sporatic bands of kerogen laminae and pyritic streaks, la
Shale grey rubbled, some dolomite laminae
Silty Shale dark grey with tan interlaminations, finely laminated, tiny pyrite cry
Silty Shale light tan, sporatic bands of kerogen laminae and pyritic streaks, la
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
Silty Shale light tan, sporatic bands of kerogen laminae and pyritic streaks, la
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to brown grey Dolomite thickly laminated, locally brecciated, some kerog
light brown to grey Dolomitic, massive to thickly laminated with indistinct kero
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
Silty Shale dark grey with tan interlaminations, finely laminated, tiny pyrite cry
Silty Shale dark grey with tan interlaminations, finely laminated, tiny pyrite cry

General_Note	Sample_Type	Palynology
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Sample depth 168.98??		☐

Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1075	356	PEX Dover 2 -222	11	Y	167.22	165.75	167.22
1818	345	549-550	29	Y	167.64	167.34	167.64
1914	691	168	31	Y	168		
2068	692	168	31	Y	168		
2301	693	168	31	Y	168		
2407	694	168	31	Y	168		
1120	356	Dover#2 -170	25	Y	170		
1915	691	170	31	Y	170		
2069	692	170	31	Y	170		
2302	693	170	31	Y	170		
2408	694	170	31	Y	170		
1076	356	Dover #2 -170.01	2	Y	170.01		
3762	356	PEX Dover #2-3076	11	Y	170.1	168	170.1
1588	362	Rosevale #5-08514	18	Y	170.5	169.5	170.5
3640	709	15-170	39	Y	170.68		
1589	362	Rosevale #5-08515	18	Y	171.5	170.5	171.5
3763	356	PEX Dover #2-3077	11	Y	171.65	170.1	171.65
982	355	Dover #1 -171.92	2	Y	171.92		
1916	691	172	31	Y	172		
2070	692	172	31	Y	172		
2303	693	172	31	Y	172		
2409	694	172	31	Y	172		
981	355	PEX Dover 1 -101	11	Y	172.3	170.8	172.3
1590	362	Rosevale #5-08516	18	Y	172.5	171.5	172.5
3764	356	PEX Dover #2-3078	11	Y	173.1	171.65	173.1
676	347	Albert #5 -569	2	Y	173.43		
1591	362	Rosevale #5-08517	18	Y	173.5	172.5	173.5
983	355	PEX Dover 1 -102	11	Y	173.8	172.3	173.8
2851	355	C-099463	34	Y	173.8		
1917	691	174	31	Y	174		
2071	692	174	31	Y	174		
2304	693	174	31	Y	174		
2410	694	174	31	Y	174		
677	347	Albert #5 -571	2	Y	174.04		
1592	362	Rosevale #5-08518	18	Y	174.5	173.5	174.5
3765	356	PEX Dover #2-3079	11	Y	174.55	173.1	174.55
985	355	Dover #1 -175.10	2	Y	175.1		
3645	117	21-575ft	39	Y	175.26		

Depth_m	Calc_Elevatio	Group	Formation	Member
166.48	-122.61	Horton	Albert	Fredericks Bro
167.64	-64.01	Horton	Albert	Fredericks Bro
168	-128.6	Horton	Albert	Fredericks Bro
168	-151.27	Horton	Albert	Fredericks Bro
168	-107.09	Horton	Albert	Fredericks Bro
168	-99.59	Horton	Albert	Fredericks Bro
170	-125.39	Horton	Albert	Fredericks Bro
170	-130.6	Horton	Albert	Fredericks Bro
170	-153.27	Horton	Albert	Fredericks Bro
170	-109.09	Horton	Albert	Fredericks Bro
170	-101.59	Horton	Albert	Fredericks Bro
170.01	-125.4	Horton	Albert	Fredericks Bro
	-125.49	Horton	Albert	Fredericks Bro
	64.5	Horton	Albert	
170.68	-91.68	Horton		
	63.5	Horton	Albert	
	-127.04	Horton	Albert	Fredericks Bro
171.92	-135.44	Horton	Albert	Fredericks Bro
172	-132.6	Horton	Albert	Fredericks Bro
172	-155.27	Horton	Albert	Fredericks Bro
172	-111.09	Horton	Albert	Fredericks Bro
172	-103.59	Horton	Albert	Fredericks Bro
171.55	-135.83	Horton	Albert	Fredericks Bro
	62.5	Horton	Albert	
	-128.49	Horton	Albert	Fredericks Bro
173.43	-59.13	Horton	Albert	Fredericks Bro
	61.5	Horton	Albert	
173.05	-137.33	Horton	Albert	Fredericks Bro
173.8	-137.33	Horton	Albert	Dawson Settle
174	-134.6	Horton	Albert	Fredericks Bro
174	-157.27	Horton	Albert	Fredericks Bro
174	-113.09	Horton	Albert	Fredericks Bro
174	-105.59	Horton	Albert	Fredericks Bro
174.04	-59.74	Horton	Albert	Fredericks Bro
	60.5	Horton	Albert	
	-129.94	Horton	Albert	Fredericks Bro
175.1	-138.63	Horton	Albert	Fredericks Bro
175.26	-76	Sussex	Weldon	

Sample_Description
Silty Shale light tan, sporatic bands of kerogen laminae and pyritic streaks, la
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to brown grey Dolomite thickly laminated, locally brecciated, some kerog
light brown to grey Dolomitic, massive to thickly laminated with indistinct kero
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Claystone, calcareous, silty, kerogenous, thickly to thinl
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
50% grey to brown Shale, kerogenous, 50% grey Sandstone, quartzose
Claystone red friable minor reduced zones
50% brown Shale, kerogenous, 50% grey Sandstone, quartzose
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Claystone, calcareous, silty, kerogenous, thickly to thinl
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
50% brown to black Siltstone, kerogenous, 50% brown Shale, kerogenous
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
Dolomitic Marlstone, dark brown, microlaminated
60% brown Shale, kerogenous, 40% brown Siltstone
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
Shale dark grey, finely laminated, sporadic very thin dark laminae may be ker
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Claystone, calcareous, silty, kerogenous, thickly to thinl
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Dolomitic Marlstone, dark brown, microlaminated
80% brown Shale, kerogenous, 20% brown Siltstone dolomitic
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
grey brown Clayey Siltstone, calcareous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
984	355	PEX Dover 1 -103	11	Y	175.3	173.8	175.3
1918	691	176	31	Y	176		
2072	692	176	31	Y	176		
2305	693	176	31	Y	176		
2411	694	176	31	Y	176		
3766	356	PEX Dover #2-3080	11	Y	176	174.55	176
986	355	PEX Dover 1 -104	11	Y	176.05		
987	355	Dover #1 -176.29	2	Y	176.29		
988	355	PEX Dover 1 -176.8	10	Y	176.8		
1691	370	Upper Dorchester 2 -4	8	Y	176.9		
1819	345	580-581	29	Y	177.09	176.78	177.09
3767	356	PEX Dover #2-3081	11	Y	177.45	176	177.45
1820	345	582-583	29	Y	177.7	177.39	177.7
1593	362	Rosevale #5-08519	18	Y	178	177	178
1919	691	178	31	Y	178		
2073	692	178	31	Y	178		
2306	693	178	31	Y	178		
2412	694	178	31	Y	178		
678	347	Albert #5 -585	2	Y	178.31		
1692	370	Upper Dorchester 2 -5	8	Y	178.5		
557	345	C-A2 -586	3	Y	178.61		
3768	356	PEX Dover #2-3082	11	Y	178.9	177.45	178.9
1594	362	Rosevale #5-08520	18	Y	179	178	179
991	355	PEX Dover 1 -179.4	10	Y	179.4		
679	347	Albert #5 -590	2	Y	179.83		
116	89	Lower Millstream 1 -180	25	Y	180		
1595	362	Rosevale #5-08521	18	Y	180	179	180
1920	691	180	31	Y	180		
2074	692	180	31	Y	180		
2307	693	180	31	Y	180		
2413	694	180	31	Y	180		
3769	356	PEX Dover #2-3083	11	Y	180.35	178.9	180.35
579	347	C-A5 -593	3	Y	180.75		
3642	3361	17-593ft	39	Y	180.9		
3770	356	PEX Dover #2-3084	11	Y	181.8	180.35	181.8
110	89	Lower Millstream 1 -182	4	Y	182		
1121	356	Dover#2 -182	25	Y	182		
1921	691	182	31	Y	182		

Depth_m	Calc_Elevatio	Group	Formation	Member
174.55	-138.83	Horton	Albert	Fredericks Bro
176	-136.6	Horton	Albert	Fredericks Bro
176	-159.27	Horton	Albert	Fredericks Bro
176	-115.09	Horton	Albert	Fredericks Bro
176	-107.59	Horton	Albert	Fredericks Bro
	-131.39	Horton	Albert	Fredericks Bro
176.05	-139.58	Horton	Albert	Fredericks Bro
176.29	-139.81	Horton	Albert	Fredericks Bro
176.8	-140.33	Horton	Albert	Fredericks Bro
176.9	-172.9	Windsor	Lime-kiln Bro	
177.09	-73.46	Horton	Albert	Fredericks Bro
	-132.84	Horton	Albert	Fredericks Bro
177.7	-74.07	Horton	Albert	Fredericks Bro
	57	Horton	Albert	
178	-138.6	Horton	Albert	Fredericks Bro
178	-161.27	Horton	Albert	Fredericks Bro
178	-117.09	Horton	Albert	Fredericks Bro
178	-109.59	Horton	Albert	Fredericks Bro
178.31	-64.01	Horton	Albert	Fredericks Bro
178.5	-174.5	Windsor	Lime-kiln Bro	
178.61	-74.98	Horton	Albert	Fredericks Bro
	-134.29	Horton	Albert	Fredericks Bro
	56	Horton	Albert	
179.4	-142.92	Horton	Albert	Fredericks Bro
179.83	-65.53	Horton	Albert	Fredericks Bro
180	-105	Horton	Albert	
	55	Horton	Albert	
180	-140.6	Horton	Albert	Fredericks Bro
180	-163.27	Horton	Albert	Fredericks Bro
180	-119.09	Horton	Albert	Fredericks Bro
180	-111.59	Horton	Albert	Fredericks Bro
	-135.74	Horton	Albert	Fredericks Bro
180.75	-66.45	Horton	Albert	Fredericks Bro
180.9		Horton	Albert	
	-137.19	Horton	Albert	Fredericks Bro
182	-107	Horton	Albert	
182	-137.39	Horton	Albert	Fredericks Bro
182	-142.6	Horton	Albert	Fredericks Bro

Sample_Description
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Claystone, calcareous, silty, kerogenous, thickly to thinl
brown grey to grey Sandstone, massive to very thinly bedded, medium to coa
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
Dark grey, calcareous, micro micaceous, hackly fracturing mdst.
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
80% brown Shale, kerogenous, 20% blue Sandstone, quartzose
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Claystone, calcareous, silty, kerogenous, thickly to thinl
brown grey to grey 60% Sandstone, massive to very thinly bedded, fine to me
Dolomitic Marlstone, dark brown, microlaminated
Dark grey, calcareous, kerogenous mudstone with parallel laminations of light
Marlstone dolomitic, dark grey-brown, blocky, very finely laminated fissile shal
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
blue to brown Siltstone, minor brown to grey quartzose Sandstone
Shale dark grey, finely laminated, sporadic thin dark laminae with kerogen
Dolomitic Marlstone, dark brown, microlaminated
Siltstone grey green, minor dark grey bands, local shaley sections
60% brown Siltstone, 40% brown Shale, kerogenous
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Claystone, calcareous, silty, kerogenous, thickly to thinl
brown grey to grey 60% Sandstone, massive to very thinly bedded, fine to me
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
Dolomitic Marlstone, dark brown, microlaminated
Siltstone grey to light grey, very soft
Silty Shale light tan, frequent bands of kerogen laminae, laminae convoluted
Siltstone grey green, minor dark grey bands, local shaley sections
Silty Shale grey, finely laminated with abundant kerogenous lamiations
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
2075	692	182	31	Y	182		
2308	693	182	31	Y	182		
2414	694	182	31	Y	182		
1077	356	Dover #2 -182.14	2	Y	182.14		
715	348	C-A6 -598	3	Y	182.27		
3771	356	PEX Dover #2-3085	11	Y	183.25	181.8	183.25
1078	356	PEX Dover 2 -183.5	10	Y	183.5		
1922	691	184	31	Y	184		
2076	692	184	31	Y	184		
2309	693	184	31	Y	184		
2415	694	184	31	Y	184		
3772	356	PEX Dover #2-3086	11	Y	184.7	183.25	184.7
631	339	Arco Dover 1A -185	25	Y	185		
1596	362	Rosevale #5-08522	18	Y	185	184	185
716	348	C-A6 -608	3	Y	185.32		
111	89	Lower Millstream 1 -186	4	Y	186		
1597	362	Rosevale #5-08523	18	Y	186	185	186
1923	691	186	31	Y	186		
2077	692	186	31	Y	186		
2310	693	186	31	Y	186		
2416	694	186	31	Y	186		
3773	356	PEX Dover #2-3087	11	Y	186.15	184.7	186.15
1693	370	Upper Dorchester 2 -6	8	Y	186.7		
1080	356	PEX Dover 2 -187.0	10	Y	187		
1598	362	Rosevale #5-08524	18	Y	187	186	187
3774	356	PEX Dover #2-3088	11	Y	187.6	186.15	187.6
1599	362	Rosevale #5-08525	18	Y	188	187	188
1924	691	188	31	Y	188		
2078	692	188	31	Y	188		
2311	693	188	31	Y	188		
2417	694	188	31	Y	188		
717	348	C-A6 -617	3	Y	188.06		
683	347	Albert #5 -620	2	Y	188.98		
1600	362	Rosevale #5-08526	18	Y	189	188	189
3775	356	PEX Dover #2-3089	11	Y	189.05	187.6	189.05
1794	618	Test Hole 1046	14	Y	189.28		
112	89	Lower Millstream 1 -190	4	Y	190		
1601	362	Rosevale #5-08527	18	Y	190	189	190

Depth_m	Calc_Elevatio	Group	Formation	Member
182	-165.27	Horton	Albert	Fredericks Bro
182	-121.09	Horton	Albert	Fredericks Bro
182	-113.59	Horton	Albert	Fredericks Bro
182.14	-137.53	Horton	Albert	Fredericks Bro
182.27	-61.87	Horton	Albert	
	-138.64	Horton	Albert	Fredericks Bro
183.5	-138.89	Horton	Albert	Fredericks Bro
184	-144.6	Horton	Albert	Fredericks Bro
184	-167.27	Horton	Albert	Fredericks Bro
184	-123.09	Horton	Albert	Fredericks Bro
184	-115.59	Horton	Albert	Fredericks Bro
	-140.09	Horton	Albert	Fredericks Bro
185	-125.55	Horton	Albert	
	50	Horton	Albert	
185.32	-64.92	Horton	Albert	
186	-111	Horton	Albert	
	49	Horton	Albert	
186	-146.6	Horton	Albert	Fredericks Bro
186	-169.27	Horton	Albert	Fredericks Bro
186	-125.09	Horton	Albert	Fredericks Bro
186	-117.59	Horton	Albert	Fredericks Bro
	-141.54	Horton	Albert	Fredericks Bro
186.7	-182.7	Windsor	Lime-kiln Bro	
187	-142.39	Horton	Albert	Fredericks Bro
	48	Horton	Albert	
	-142.99	Horton	Albert	Fredericks Bro
	47	Horton	Albert	
188	-148.6	Horton	Albert	Fredericks Bro
188	-171.27	Horton	Albert	Fredericks Bro
188	-127.09	Horton	Albert	Fredericks Bro
188	-119.59	Horton	Albert	Fredericks Bro
188.06	-67.66	Horton	Albert	
188.98	-74.68	Horton	Albert	Fredericks Bro
	46	Horton	Albert	
	-144.44	Horton	Albert	Fredericks Bro
189.28	-140.82	Pictou		
190	-115	Horton	Albert	
	45	Horton	Albert	

Sample_Description
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Claystone, calcareous, silty, kerogenous, thickly to thinl
grey to dark grey and brownish Claystone dolomitic, thick to thin lamiations, r
Silty Shale grey, finely laminated with abundant kerogenous lamiations
Dolomitic Marlstone dark brown, variable microlaminated, organic rich layers
Silty Shale grey, finely laminated with abundant kerogenous lamiations
Silty Shale grey, finely laminated with abundant kerogenous lamiations
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Dolostone, thickly to thinly laminated, kerogenous, local
grey to dark grey and brownish Claystone dolomitic, thick to thin lamiations, r
Silty Shale grey, finely laminated with abundant kerogenous lamiations
Shale grey, chunky
brown Siltstone, poor oil stain
Dolomitic Marlstone dark brown, variable microlaminated
Siltstone medium to dark grey green, fine grained, Ss, Cong
90% brown Siltstone, 10% grey Sandstone, quartzose
dark grey to brownish Dolomite, dolomitic, contorted and slightly offset thick la
grey to light grey and brownish grey Dolomite, interbedded thickly to thinly lam
brownish grey to grey Dolostone, thickly to thinly laminated, kerogenous, local
grey to dark grey and brownish Claystone dolomitic, thick to thin lamiations, r
Siltstone brown with scattered bands containing kerogenous laminae, grades
Dark grey, calcareous, kerogenous (?) hackly fracturing mudstone.
Siltstone brown with scattered bands containing kerogenous laminae, grades
brown Siltstone
Siltstone brown with scattered bands containing kerogenous laminae, grades
90% grey Conglomerate, poor oil stain, 5% brown Siltstone, 5% brown Shale,
light grey, calcareous Sandstone, fine to medium grained, moderate petroleu
brownish grey to grey Dolomite brecciated, thickly laminated, locally laminatio
brownish grey to grey Dolostone, thickly to thinly laminated, kerogenous, local
grey to dark grey and brownish Claystone dolomitic, thick to thin lamiations, r
Dolomitic Marlstone dark brown, variable microlaminated
Dolomitic Marlstone, fissile, missing core
5% brown Shale, kerogenous, 15% grey Conglomerate, poor oil stain, 80% br
Siltstone brown with scattered bands containing kerogenous laminae, grades
70% Coal, 20% Shale grey, 10% Siltstone grey
Siltstone medium to dark grey green, fine grained, Ss, Cong
70% brown to blue Siltstone, poor oil stain, 15% grey Sandstone, 15% grey to

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1925	691	190	31	Y	190		
2079	692	190	31	Y	190		
2312	693	190	31	Y	190		
2418	694	190	31	Y	190		
3776	356	PEX Dover #2-3090	11	Y	190.5	189.05	190.5
1602	362	Rosevale #5-08528	18	Y	191	190	191
628	339	A-DIA -627	3	Y	191.11		
3777	356	PEX Dover #2-3091	11	Y	191.95	190.5	191.95
113	89	Lower Millstream 1 -192	4	Y	192		
1603	362	Rosevale #5-08529	18	Y	192	191	192
1926	691	192	31	Y	192		
2080	692	192	31	Y	192		
2313	693	192	31	Y	192		
2419	694	192	31	Y	192		
580	347	C-A5 -631	3	Y	192.33		
1122	356	Dover#2 -193	25	Y	193		
1604	362	Rosevale #5-08530	18	Y	193	192	193
1082	356	Dover #2 -193.02	2	Y	193.02		
3778	356	PEX Dover #2-3092	11	Y	193.4	191.95	193.4
1927	691	194	31	Y	194		
2081	692	194	31	Y	194		
2314	693	194	31	Y	194		
2420	694	194	31	Y	194		
718	348	C-A6 -639	3	Y	194.77		
3779	356	PEX Dover #2-3093	11	Y	194.85	193.4	194.85
593	337	AB1 -640	3	Y	195.07		
993	355	PEX Dover 1 -195.6	10	Y	195.6		
1928	691	196	31	Y	196		
2082	692	196	31	Y	196		
2315	693	196	31	Y	196		
2421	694	196	31	Y	196		
3780	356	PEX Dover #2-3094	11	Y	196.3	194.85	196.3
297	336	L390-35 - Arco St. Joseph 2 - Sa	26	Y	196.65	195.12	196.65
114	89	Lower Millstream 1 -197	4	Y	197		
3781	356	PEX Dover #2-3095	11	Y	197.5	196.3	197.5
732	349	C-A7 -648	3	Y	197.51		
1605	362	Rosevale #5-08531	18	Y	197.6	197	197.6
120	89	L390-4 - Lower Millstream - Samp	26	Y	197.65	197.36	197.65

Depth_m	Calc_Elevatio	Group	Formation	Member
190	-150.6	Horton	Albert	Fredericks Bro
190	-173.27	Horton	Albert	Fredericks Bro
190	-129.09	Horton	Albert	Fredericks Bro
190	-121.59	Horton	Albert	Fredericks Bro
	-145.89	Horton	Albert	Fredericks Bro
	44	Horton	Albert	
191.11	-131.66	Horton	Albert	
	-147.34	Horton	Albert	Fredericks Bro
192	-117	Horton	Albert	
	43	Horton	Albert	
192	-152.6	Horton	Albert	Fredericks Bro
192	-175.27	Horton	Albert	Fredericks Bro
192	-131.09	Horton	Albert	Fredericks Bro
192	-123.59	Horton	Albert	Fredericks Bro
192.33	-78.03	Horton	Albert	Fredericks Bro
193	-148.39	Horton	Albert	Fredericks Bro
	42	Horton	Albert	
193.02	-148.41	Horton	Albert	Fredericks Bro
	-148.79	Horton	Albert	Fredericks Bro
194	-154.6	Horton	Albert	Fredericks Bro
194	-177.27	Horton	Albert	Fredericks Bro
194	-133.09	Horton	Albert	Fredericks Bro
194	-125.59	Horton	Albert	Fredericks Bro
194.77	-74.37	Horton	Albert	
	-150.24	Horton	Albert	Fredericks Bro
195.07	-164.59	Horton	Albert	
195.6	-159.13	Horton	Albert	Fredericks Bro
196	-156.6	Horton	Albert	Fredericks Bro
196	-179.27	Horton	Albert	Fredericks Bro
196	-135.09	Horton	Albert	Fredericks Bro
196	-127.59	Horton	Albert	Fredericks Bro
	-151.69	Horton	Albert	Fredericks Bro
196	-146.36	Horton	Albert	
197	-122	Horton	Albert	
	-152.89	Horton	Albert	Fredericks Bro
197.51	-67.97	Horton	Albert	
	37.4	Horton	Albert	
197.5	-122.65	Horton	Albert	

Sample_Description
grey to brownish Dolomite, dolomitic, slightly contorted and offset thick lamina
brownish grey to grey Dolomite thickly laminated, laminations regular, slightly
brownish grey to grey Dolostone, thickly to thinly laminated, kerogenous, local
grey to dark grey and brownish Claystone dolomitic, thick to thin lamiations, r
Siltstone brown with scattered bands containing kerogenous laminae, grades
90% brown to grey Shale, dolomitic, kerogenous, 10% grey to blue Siltstone
Marlstone brown, varved, massive, fair to good kerogen laminae grading to d
Siltstone brown with scattered bands containing kerogenous laminae, grades
Siltstone medium to dark grey green, fine grained, Ss, Cong
brown to grey Shale, dolomitic, kerogenous
grey to brownish Dolomite, dolomitic, slightly contorted and offset thick lamina
brownish grey to grey Dolomite thickly laminated, laminations regular, slightly
brownish grey to grey Claystone, calcareous, kerogenous, thickly to thinly lam
grey to dark grey and brownish Claystone dolomitic, thick to thin lamiations, r
Dolomitic Marlstone, medium grey to brown, microlaminated
Siltstone brown with scattered bands containing kerogenous laminae, grades
70% brown to grey Shale, dolomitic, kerogenous, 30% blue to grey intraforma
Siltstone brown with scattered bands containing kerogenous laminae, grades
Siltstone brown with scattered bands containing kerogenous laminae, grades
grey to brownish Dolomite, dolomitic, slightly contorted and offset thick lamina
brownish grey to grey Dolomite thickly laminated, laminations regular, slightly
brownish grey to grey Claystone, calcareous, kerogenous, thickly to thinly lam
grey to dark grey and brownish Claystone dolomitic, thick to thin lamiations, r
Dolomitic Marlstone dark brown, indistinctive microlaminated
Siltstone brown with scattered bands containing kerogenous laminae, grades
Marlstone light brown, discontinuous kerogen flakes give faint but distinct wav
Dolomitic Sandstone tan finely bedded, strong bituminous ordor when broken
grey to brownish Dolomite, dolomitic, slightly contorted and offset thick lamina
brownish grey to grey Dolomite brecciated, thickly laminated, locally laminatio
grey to dark and brownish grey Claystone, thickly laminated silty, calcareous,
grey to dark grey and brownish Claystone dolomitic, thick to thin lamiations, r
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
Hackly fractured with micro laminated silty clay and kerogen, medium brown
Siltstone medium to dark grey green, fine grained, Ss, Cong
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
Polymictic Conglomerate, green matrix, mottled brown, free oil tar-like in fract
grey to brown Siltstone, dolomitic, kerogenous stringers
Massive, medium dark grey-green, mud, , noncalcareous, 0.5-1, silt size clay/

General_Note	Sample_Type	Palynology
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See Also Reference 13		☐

Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
581	347	C-A5 -649	3	Y	197.82		
1929	691	198	31	Y	198		
2083	692	198	31	Y	198		
2316	693	198	31	Y	198		
2422	694	198	31	Y	198		
684	347	Albert #5 -650	2	Y	198.12		
1606	362	Rosevale #5-08532	18	Y	198.2	197.6	198.2
629	339	A-DIA -652	3	Y	198.73		
1607	362	Rosevale #5-08533	18	Y	198.8	198.2	198.8
3782	356	PEX Dover #2-3096	11	Y	199.2	197.5	199.2
719	348	C-A6 -654	3	Y	199.34		
1608	362	Rosevale #5-08534	18	Y	199.4	198.8	199.4
1930	691	200	31	Y	200		
2084	692	200	31	Y	200		
2317	693	200	31	Y	200		
2423	694	200	31	Y	200		
3783	356	PEX Dover #2-3097	11	Y	200.65	199.2	200.65
167	145	PR1-660	19	Y	201.17		
1931	691	202	31	Y	202		
2085	692	202	31	Y	202		
2318	693	202	31	Y	202		
2424	694	202	31	Y	202		
582	347	C-A5 -663	3	Y	202.08		
3784	356	PEX Dover #2-3098	11	Y	202.1	200.65	202.1
630	339	A-DIA -665	3	Y	202.69		
1694	370	Upper Dorchester 2 -7	8	Y	202.8		
280	335	L390-26 - Arco St. Joseph 1 - Sa	26	Y	202.9	200.61	202.9
3785	356	PEX Dover #2-3099	11	Y	203.55	202.1	203.55
1932	691	204	31	Y	204		
2086	692	204	31	Y	204		
2319	693	204	31	Y	204		
2425	694	204	31	Y	204		
2426	694	204	31	Y	204		
720	348	C-A6 -670	3	Y	204.22		
3786	356	PEX Dover #2-3100	11	Y	205	203.55	205
1933	691	206	31	Y	206		
2087	692	206	31	Y	206		
2320	693	206	31	Y	206		

Depth_m	Calc_Elevatio	Group	Formation	Member
197.82	-83.52	Horton	Albert	Fredericks Bro
198	-158.6	Horton	Albert	Fredericks Bro
198	-181.27	Horton	Albert	Fredericks Bro
198	-137.09	Horton	Albert	Fredericks Bro
198	-129.59	Horton	Albert	Fredericks Bro
198.12	-83.82	Horton	Albert	Fredericks Bro
	36.8	Horton	Albert	
198.73	-139.28	Horton	Albert	
	36.2	Horton	Albert	
	-154.59	Horton	Albert	Fredericks Bro
199.34	-78.94	Horton	Albert	
	35.6	Horton	Albert	
200	-160.6	Horton	Albert	Fredericks Bro
200	-183.27	Horton	Albert	Fredericks Bro
200	-139.09	Horton	Albert	Fredericks Bro
200	-131.59	Horton	Albert	Fredericks Bro
	-156.04	Horton	Albert	Fredericks Bro
201.17	-150.88	Cumberland	Boss Point	
202	-162.6	Horton	Albert	Fredericks Bro
202	-185.27	Horton	Albert	Fredericks Bro
202	-141.09	Horton	Albert	Fredericks Bro
202	-133.59	Horton	Albert	Fredericks Bro
202.08	-87.78	Horton	Albert	Fredericks Bro
	-157.49	Horton	Albert	Fredericks Bro
202.69	-143.24	Horton	Albert	
202.8	-198.8	Windsor	Lime-kiln Bro	
301	-157.18	Horton	Albert	
	-158.94	Horton	Albert	Fredericks Bro
204	-164.6	Horton	Albert	Fredericks Bro
204	-187.27	Horton	Albert	Fredericks Bro
204	-143.09	Horton	Albert	Fredericks Bro
204	-135.59	Horton	Albert	Fredericks Bro
204	-135.59	Horton	Albert	Fredericks Bro
204.22	-83.82	Horton	Albert	
	-160.39	Horton	Albert	Fredericks Bro
206	-166.6	Horton	Albert	Fredericks Bro
206	-189.27	Horton	Albert	Fredericks Bro
206	-145.09	Horton	Albert	Fredericks Bro

Sample_Description
Dolomitic Marlstone, dark brown, microlaminated
grey to brownish Dolomite, dolomitic, slightly contorted and offset thick lamina
grey to brownish grey Dolomite, thickly laminated to massive, alterating thickl
grey to dark and brownish grey Claystone, thickly laminated silty, calcareous,
grey brown to dark grey Dolomite indistinct thick to very thin silty laminations,
Dolomitic Marlstone, dark brown, microlaminated
60% grey to brown Siltstone, dolomitic, kerogenous stringers, 40% brown to g
Marlstone brown, varved, massive, fair to good kerogen laminae grading to d
60% blue to grey Siltstone, kerogenous, 40% brown to grey Shale, kerogenou
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
Dolomitic Marlstone dark brown, variable microlaminated
60% blue to grey Siltstone, calcareous, 40% blue to grey Siltstone, kerogenou
grey to brownish Dolomite, dolomitic, slightly contorted and offset thick lamina
grey to brownish grey Dolomite, thickly laminated to massive, alterating thickl
brown to brownish grey Claystone, thick to thinly laminated, calcareous. silty, t
grey brown to grey Dolomite indistinct thick to very thin silty to sandy laminatio
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
50% dark grey to dark olive grey silty mudstone to mudstone and 50% light to
grey to brownish Dolomite, dolomitic, slightly contorted and offset thick lamina
grey to brownish grey Dolomite, thickly laminated to massive, alterating thickl
brown to brownish grey Claystone, thick to thinly laminated, calcareous, silty, t
grey brown to dark grey Dolomite silty, massive with flame-like laminations, re
Dolomitic Marlstone, dark brown, microlaminated
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
Marlstone, light brown, laminated, varved with brown kerogen
Dk gy calcareous mudstone with angular and tabular to subspherical clasts of
Waxy sheared 75% - Massive hackly 25%, dark grey to medium dark grey, cl
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
grey to brownish grey Dolomite, thickly laminated to massive, alterating thickl
brown to brownish grey Claystone, thick to thinly laminated, calcareous, silty, t
grey brown to dark grey Dolomite silty, massive with flame-like laminations, re
grey brown to dark grey Dolomite silty, massive with flame-like laminations, re
Dolomitic Marlstone dark brown, microlaminated
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
grey to brownish grey Dolomite, thickly laminated to massive, alterating thickl
grey to brownish grey, 95% Silty Claystone, thickly to thinly laminated, dolomit

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2427	694	206	31	Y	206		
3787	356	PEX Dover #2-3101	11	Y	206.45	205	206.45
1083	356	Dover #2 -206.50	2	Y	206.5		
1609	362	Rosevale #5-08535	18	Y	207.6	207	207.6
3788	356	PEX Dover #2-3102	11	Y	207.9	206.45	207.9
1934	691	208	31	Y	208		
2088	692	208	31	Y	208		
2321	693	208	31	Y	208		
2428	694	208	31	Y	208		
583	347	C-A5 -683	3	Y	208.18		
1610	362	Rosevale #5-08536	18	Y	208.2	207.6	208.2
1611	362	Rosevale #5-08537	18	Y	208.8	208.2	208.8
3789	356	PEX Dover #2-3103	11	Y	209.22	207.9	209.22
1612	362	Rosevale #5-08538	18	Y	209.4	208.8	209.4
1821	345	685-688	29	Y	209.7	208.79	209.7
1613	362	Rosevale #5-08539	18	Y	210	209.4	210
1935	691	210	31	Y	210		
2089	692	210	31	Y	210		
2322	693	210	31	Y	210		
2429	694	210	31	Y	210		
1822	345	688-689	29	Y	210.01	209.7	210.01
688	347	Albert #5 -690	2	Y	210.31		
1823	345	689-690	29	Y	210.31	210.01	210.31
3790	356	PEX Dover #2-3104	11	Y	210.52	209.22	210.52
1614	362	Rosevale #5-08540	18	Y	210.6	210	210.6
1615	362	Rosevale #5-08541	18	Y	211.2	210.6	211.2
1695	370	Upper Dorchester 2 -8	8	Y	211.5		
1616	362	Rosevale #5-08542	18	Y	211.8	211.2	211.8
3791	356	PEX Dover #2-3105	11	Y	211.82	210.52	211.82
1936	691	212	31	Y	212		
2090	692	212	31	Y	212		
2323	693	212	31	Y	212		
2430	694	212	31	Y	212		
1824	345	694-696	29	Y	212.14	211.53	212.14
1617	362	Rosevale #5-08543	18	Y	212.4	211.8	212.4
1825	345	696-698	29	Y	212.75	212.14	212.75
1618	362	Rosevale #5-08544	18	Y	213	212.4	213
3792	356	PEX Dover #2-3106	11	Y	213.32	211.82	213.32

Depth_m	Calc_Elevatio	Group	Formation	Member
206	-137.59	Horton	Albert	Fredericks Bro
	-161.84	Horton	Albert	Fredericks Bro
206.5	-161.89	Horton	Albert	Fredericks Bro
	27.4	Horton	Albert	
	-163.29	Horton	Albert	Fredericks Bro
208	-168.6	Horton	Albert	Fredericks Bro
208	-191.27	Horton	Albert	Fredericks Bro
208	-147.09	Horton	Albert	Fredericks Bro
208	-139.59	Horton	Albert	Fredericks Bro
208.18	-93.88	Horton	Albert	Fredericks Bro
	26.8	Horton	Albert	
	26.2	Horton	Albert	
	-164.61	Horton	Albert	Fredericks Bro
	25.6	Horton	Albert	
209.7	-106.07	Horton	Albert	Fredericks Bro
	25	Horton	Albert	
210	-170.6	Horton	Albert	Fredericks Bro
210	-193.27	Horton	Albert	Fredericks Bro
210	-149.09	Horton	Albert	Fredericks Bro
210	-141.59	Horton	Albert	Fredericks Bro
210.01	-106.38	Horton	Albert	Fredericks Bro
210.31	-96.01	Horton	Albert	Fredericks Bro
210.31	-106.68	Horton	Albert	Fredericks Bro
	-165.91	Horton	Albert	Fredericks Bro
	24.4	Horton	Albert	
	23.8	Horton	Albert	
211.5	-207.5	Windsor	Lime-kiln Bro	
	23.2	Horton	Albert	
	-167.21	Horton	Albert	Fredericks Bro
212	-172.6	Horton	Albert	Fredericks Bro
212	-195.27	Horton	Albert	Fredericks Bro
212	-151.09	Horton	Albert	Fredericks Bro
212	-143.59	Horton	Albert	Fredericks Bro
212.14	-108.51	Horton	Albert	Fredericks Bro
	22.6	Horton	Albert	
212.75	-109.12	Horton	Albert	Fredericks Bro
	22	Horton	Albert	
	-168.71	Horton	Albert	Fredericks Bro

Sample_Description
grey brown to dark grey Dolomite silty, massive with flame-like laminations, re
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
Marlstone grey to tan silty shale, abundant fine kerogenous laminae
grey Sandstone
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
dark grey to grey brown Dolomite, thickly laminated regular laminations locally
grey to brownish grey, 95% Silty Claystone, thickly to thinly laminated, dolomit
grey brown to dark grey Dolomite silty, massive with flame-like laminations, re
Dolomitic Marlstone, dark brown, microlaminated
grey Siltstone locally kerogenous
grey Siltstone
Marlstone? Grey to tan, silty shale, abundant fine kerogenous laminae
grey to brown Siltstone, kerogenous
Missing Core; Claystone brown-black, medium olive grey, non bituminous to
50% grey to brown Sandstone, kerogenous stringers, 50% grey intraformatio
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
grey to light grey Claystone brecciated, angular, thickly laminated and massiv
grey to brownish grey, 95% Silty Claystone, thickly to thinly laminated, dolomit
grey to brown grey Dolomite, thick to thin laminations, regular, alternating gre
Missing Core; Claystone brown-black, medium olive grey, non bituminous to
Dolomitic Marlstone, dark brown, microlaminated
Missing Core; Claystone brown-black, medium olive grey, non bituminous to
Silty shale grey, with sandstone bands and occassional bands fo kerogenous
50% grey intraformational Conglomerate, 50% grey Sandstone, kerogenous s
grey Sandstone, kerogenous stringers
Dk gy, v. slightly calc., micro mxs silty mdst that is part of matrix of a coarse p
grey Siltstone, kerogenous
Silty shale grey, with sandstone bands and occassional bands fo kerogenous
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
grey to light grey Claystone brecciated, angular, thickly laminated and massiv
grey to dark grey and brownish Claystone, deformed thickly laminated, dolomi
grey to brown grey Dolomite, thick to thin laminations, regular, alternating gre
Missing Core; Shale greyish brown, subbituminous to bituminous
grey Sandstone, kerogenous
Missing Core; Shale greyish brown, subbituminous to bituminous
grey Sandstone, kerogenous
Silty shale grey, with sandstone bands and occassional bands fo kerogenous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1619	362	Rosevale #5-08545	18	Y	213.6	213	213.6
1937	691	214	31	Y	214		
2091	692	214	31	Y	214		
2324	693	214	31	Y	214		
2431	694	214	31	Y	214		
1620	362	Rosevale #5-08546	18	Y	214.2	213.6	214.2
995	355	PEX Dover 1 -214.7	10	Y	214.7		
1621	362	Rosevale #5-08547	18	Y	214.8	214.2	214.8
721	348	C-A6 -705	3	Y	214.88		
449	332	ESC1-215	19	Y	215		
3793	356	PEX Dover #2-3107	11	Y	215.06	213.32	215.06
1622	362	Rosevale #5-08548	18	Y	215.4	214.8	215.4
689	347	Albert #5 -707	2	Y	215.49		
1623	362	Rosevale #5-08549	18	Y	216	215.4	216
1938	691	216	31	Y	216		
2092	692	216	31	Y	216		
2325	693	216	31	Y	216		
2432	694	216	31	Y	216		
1624	362	Rosevale #5-08550	18	Y	216.6	216	216.6
1625	362	Rosevale #5-08551	18	Y	217.2	216.6	217.2
1733	504	Test Hole 1109	14	Y	217.32		
1626	362	Rosevale #5-08552	18	Y	217.8	217.2	217.8
1939	691	218	31	Y	218		
2093	692	218	31	Y	218		
2326	693	218	31	Y	218		
2433	694	218	31	Y	218		
1627	362	Rosevale #5-08553	18	Y	218.4	217.8	218.4
1628	362	Rosevale #5-08554	18	Y	219	218.4	219
691	347	Albert #5 -720	2	Y	219.46		
1629	362	Rosevale #5-08555	18	Y	219.6	219	219.6
1940	691	220	31	Y	220		
2094	692	220	31	Y	220		
2327	693	220	31	Y	220		
2434	694	220	31	Y	220		
1630	362	Rosevale #5-08556	18	Y	220.2	219.6	220.2
1631	362	Rosevale #5-08557	18	Y	220.8	220.2	220.8
1632	362	Rosevale #5-08558	18	Y	221.4	220.8	221.4
1633	362	Rosevale #5-08559	18	Y	222	221.4	222

Depth_m	Calc_Elevatio	Group	Formation	Member
	21.4	Horton	Albert	
214	-174.6	Horton	Albert	Fredericks Bro
214	-197.27	Horton	Albert	Fredericks Bro
214	-153.09	Horton	Albert	Fredericks Bro
214	-145.59	Horton	Albert	Fredericks Bro
	20.8	Horton	Albert	
214.7	-178.22	Horton	Albert	Fredericks Bro
	20.2	Horton	Albert	
214.88	-94.48	Horton	Albert	
215	-154.73	Horton	Albert	
	-170.45	Horton	Albert	Fredericks Bro
	19.6	Horton	Albert	
215.49	-101.19	Horton	Albert	Fredericks Bro
	19	Horton	Albert	
216	-176.6	Horton	Albert	Fredericks Bro
216	-199.27	Horton	Albert	Fredericks Bro
216	-155.09	Horton	Albert	Fredericks Bro
216	-147.59	Horton	Albert	Fredericks Bro
	18.4	Horton	Albert	
	17.8	Horton	Albert	
217.32	-187.44	Pictou		
	17.2	Horton	Albert	
218	-178.6	Horton	Albert	Fredericks Bro
218	-201.27	Horton	Albert	Fredericks Bro
218	-157.09	Horton	Albert	Fredericks Bro
218	-149.59	Horton	Albert	Fredericks Bro
	16.6	Horton	Albert	
	16	Horton	Albert	
219.46	-105.16	Horton	Albert	Fredericks Bro
	15.4	Horton	Albert	
220	-180.6	Horton	Albert	Fredericks Bro
220	-203.27	Horton	Albert	Fredericks Bro
220	-159.09	Horton	Albert	Fredericks Bro
220	-151.59	Horton	Albert	Fredericks Bro
	14.8	Horton	Albert	
	14.2	Horton	Albert	
	13.6	Horton	Albert	
	13	Horton	Albert	

Sample_Description
grey Sandstone
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
grey to light grey Claystone brecciated, angular, thickly laminated and massiv
grey to dark grey and brownish Claystone, deformed thickly laminated, dolomi
dark grey to grey Claystone dolomitic, thick to thin laminations, regular, altern
grey Sandstone, local kerogenous stringers in lower half
Silty Shale dark grey, finely laminated, calcite veins
50% grey to brown Sandstone, kerogenous stringers, 50% grey to brown San
Dolomitic Marlstone dark brown, variable microlaminated
Shale light grey - light red, moderate hd, blocky to subplaty, anhydrate blebs
Shale grey, finely laminated, abundant kerogenous laminae
grey to brown Sandstone, dolomitic
Shale medium grey, rubblized
grey to brown Sandstone, dolomitic
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
grey to light grey Claystone brecciated, angular, thickly laminated and massiv
brownish to brownish grey Claystone, 90% dolomitic, thickly to thinly laminate
dark grey to grey Claystone dolomitic, thick to thin laminations, regular, altern
grey to brown Sandstone, dolomitic
grey to brown Sandstone, dolomitic, local kerogenous bands
50% Clay, 20% Siltstone, 10% lithic Sandstone, 10% limestone, 10% Coal
grey to brown Sandstone, dolomitic
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
grey to light grey Claystone brecciated, angular, thickly laminated and massiv
brownish grey to grey, 85% Silty Claystone, thick to thinly laminated, dolomitic
grey and brown grey 60% Sandstone, interbedded medium to coarse grained,
grey to brown Sandstone, dolomitic, 50% brown Shale, kerogenous
grey Sandstone
Shale medium grey, rubblized
brown Shale, kerogenous
dark grey to dark brownish grey Dolomite, dolomitic, highly contorted and slig
grey to light grey Claystone brecciated, angular, thickly laminated and massiv
brownish grey to grey, 85% Silty Claystone, thick to thinly laminated, dolomitic
grey and brown grey 60% Sandstone, interbedded medium to coarse grained,
grey Sandstone, quartzose
brown Shale, kerogenous
grey to brown Sandstone, quartzose, kerogenous stringers
grey to brown Sandstone, quartzose, kerogenous stringers

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1941	691	222	31	Y	222		
2095	692	222	31	Y	222		
2328	693	222	31	Y	222		
2435	694	222	31	Y	222		
1696	370	Upper Dorchester 2 -9	8	Y	222.2		
1826	345	728-730	29	Y	222.5	221.89	222.5
997	355	PEX Dover 1 -116	11	Y	222.82	221.32	222.82
1942	691	224	31	Y	224		
2096	692	224	31	Y	224		
2329	693	224	31	Y	224		
2436	694	224	31	Y	224		
3633	399	8-735ft	39	Y	224.03	221.59	224.03
1697	370	Upper Dorchester 2 -10	8	Y	224.2		
998	355	PEX Dover 1 -117	11	Y	224.32	222.82	224.32
693	347	Albert #5 -740	2	Y	225.55		
999	355	PEX Dover 1 -118	11	Y	225.82	224.32	225.82
1943	691	226	31	Y	226		
2097	692	226	31	Y	226		
2330	693	226	31	Y	226		
2437	694	226	31	Y	226		
1698	370	Upper Dorchester 2 -11	8	Y	227.1		
1944	691	228	31	Y	228		
2098	692	228	31	Y	228		
2331	693	228	31	Y	228		
2438	694	228	31	Y	228		
1000	355	Dover #1 -228.02	2	Y	228.02		
1001	355	PEX Dover 1 -228.5	10	Y	228.5		
143	99	Apohaqui 1 -228.6	4	Y	228.6		
97	39	A-U1 -751	3	Y	228.9		
1003	355	Dover #1 -229.87	2	Y	229.87		
1945	691	230	31	Y	230		
2099	692	230	31	Y	230		
2332	693	230	31	Y	230		
2439	694	230	31	Y	230		
640	340	L390-22 - Arco Rosevale1 - Samp	26	Y	230.31	230.18	230.31
168	145	Pollett River#1-0650-0760	21	Y	231.65	198.12	231.648
1723	473	Buctouche 1 (9)	15	Y	231.65		
1005	355	PEX Dover 1 -232.00	10	Y	232		

Depth_m	Calc_Elevatio	Group	Formation	Member
222	-182.6	Horton	Albert	Fredericks Bro
222	-205.27	Horton	Albert	Fredericks Bro
222	-161.09	Horton	Albert	Fredericks Bro
222	-153.59	Horton	Albert	Fredericks Bro
222.2	-218.2	Horton	Albert	
222.5	-118.87	Horton	Albert	Fredericks Bro
222.07	-186.35	Horton	Albert	Fredericks Bro
224	-184.6	Horton	Albert	Fredericks Bro
224	-207.27	Horton	Albert	Fredericks Bro
224	-163.09	Horton	Albert	Fredericks Bro
224	-155.59	Horton	Albert	Fredericks Bro
	-208.79	Pictou		
224.2	-220.2	Horton	Albert	
223.57	-187.85	Horton	Albert	Fredericks Bro
225.55	-111.25	Horton	Albert	Fredericks Bro
225.47	-189.35	Horton	Albert	Fredericks Bro
226	-186.6	Horton	Albert	Fredericks Bro
226	-209.27	Horton	Albert	Fredericks Bro
226	-165.09	Horton	Albert	Fredericks Bro
226	-157.59	Horton	Albert	Fredericks Bro
227.1	-223.1	Horton	Albert	
228	-188.6	Horton	Albert	Fredericks Bro
228	-211.27	Horton	Albert	Fredericks Bro
228	-167.09	Horton	Albert	Fredericks Bro
228	-159.59	Horton	Albert	Fredericks Bro
228.02	-191.55	Horton	Albert	Fredericks Bro
228.5	-192.02	Horton	Albert	Fredericks Bro
228.6	-73.76	Horton	Albert	
228.9	-61.26	Horton	Albert	
229.87	-193.39	Horton	Albert	Fredericks Bro
230	-190.6	Horton	Albert	Fredericks Bro
230	-213.27	Horton	Albert	Fredericks Bro
230	-169.09	Horton	Albert	Fredericks Bro
230	-161.59	Horton	Albert	Fredericks Bro
230.2	-80.96	Horton	Albert	
214.9	-181.36	Cumberland	Boss Point	
231.65	-211.84	Pictou		
232	-195.52	Horton	Albert	Fredericks Bro

Sample_Description
grey to light grey Claystone, dolomitic, discontinuous thick laminations, locally
dark grey to grey brown Dolomite, thickly laminated regular laminations locally
brownish grey to grey, 85% Silty Claystone, thick to thinly laminated, dolomitic
brown grey to dark grey Dolomite, thick to thin lamiantions, regular, alternatin
Dk gy, parallel lam., v.f.g. sandy shale with buff lams. of vf.g. to f.g. feldspathi
Missing Core; Claystone brownish grey, dusky yellow brown, dark greeins gre
Silty Shale dark grey, finely laminated, plant remains, fish fossils, possible alb
grey to light grey Claystone, dolomitic, discontinuous thick laminations, locally
dark grey to grey brown Dolomite, thickly laminated regular laminations locally
brownish grey to grey, 85% Silty Claystone, thick to thinly laminated, dolomitic
brown grey to dark grey Dolomite, thick to thin lamiantions, regular, alternatin
grey Shale
Dk gy, non calc., micro mxs, subfissile shale.
Silty Shale dark grey, finely laminated, plant remains, fish fossils, possible alb
Dolomitic Marlstone, dark brown, microlaminated, contorted
Silty Shale dark grey, finely laminated, plant remains, fish fossils, possible alb
grey to light grey Claystone, dolomitic, discontinuous thick laminations, locally
dark grey to grey brown Dolomite, thickly laminated regular laminations locally
brown to brownish grey and grey, 95% Dolomite thickly to thinly laminated, silt
brown grey to dark grey Dolomite, thick to thin lamiantions, regular, alternatin
Dk gy or gy black, parallel lam., shale with minor plant fragments. Rock is sli
grey to light grey Claystone, dolomitic, discontinuous thick laminations, locally
grey to light grey Claystone dolomitic, thickly laminated, regular laminations lo
brownish grey to grey Silty Claystone, thickly to thinly laminated, silty dolomitic
brown grey to dark grey Dolomite, thick to thin lamiantions, regular, alternatin
Siltstone dolomitic, grey-brown to grey, calcite veins
Siltstone dolomitic, grey-brown to grey, calcite veins
Shale grey, NB
marlstone, medium to dark brown, laminated to varved, dark brown laminae o
Siltstone dolomitic, grey-brown to grey, calcite veins
grey to brownish grey Dolomite, dolomitic, discontinuous thick laminations, lo
grey to light grey Claystone dolomitic, thickly laminated, regular laminations lo
grey to grey brown Dolomite, thickly to thinly laminated, silty, laminations highl
grey to brown grey 70% Sandstone interbedded medium to coarse grained po
Parallel and micro parallel laminations, medium grey and brown, clay with silt
Sandstone grey to green grey fine grained
80% light grey quartzose Sandstone meium grained, 10% Siltstone medium r
Silty Shale dark grey with carbonaceous flakes, finely laminated, random calci

General_Note	Sample_Type	Palynology
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Hand measured Tmax value = 442.		☐
	Core	☐
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Hand measured Tmax value = 440.		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1946	691	232	31	Y	232		
2100	692	232	31	Y	232		
2333	693	232	31	Y	232		
2440	694	232	31	Y	232		
1084	356	PEX Dover 2 -223	11	Y	232.16	230.62	232.16
1004	355	PEX Dover 1 -109	11	Y	232.37	230.87	232.37
584	347	C-A5 -765	3	Y	233.17		
1007	355	PEX Dover 1 -110	11	Y	233.87	232.37	233.87
1947	691	234	31	Y	234		
2101	692	234	31	Y	234		
2334	693	234	31	Y	234		
2441	694	234	31	Y	234		
733	349	C-A7 -769	3	Y	234.39		
695	347	Albert #5 -770	2	Y	234.7		
1699	370	Upper Dorchester 2 -12	8	Y	234.7		
183	146	Middlesex#1 -235	21	Y	235		
3823	355	PEX Dover 1 -111	11	Y	235.25	233.87	235.25
1948	691	236	31	Y	236		
2102	692	236	31	Y	236		
2335	693	236	31	Y	236		
2442	694	236	31	Y	236		
722	348	C-A6 -780	3	Y	237.74		
1949	691	238	31	Y	238		
2103	692	238	31	Y	238		
2336	693	238	31	Y	238		
2443	694	238	31	Y	238		
558	345	C-A2 -781	3	Y	238.05		
647	347	C-A5 -782	3	Y	238.35		
1085	356	PEX Dover 2 -239.0	10	Y	239		
450	332	ICESC1-240	25	Y	240		
1087	356	PEX Dover 2 -240.0	10	Y	240		
1950	691	240	31	Y	240		
2104	692	240	31	Y	240		
2337	693	240	31	Y	240		
2444	694	240	31	Y	240		
643	343	A-A1A -790	3	Y	240.79		
559	345	C-A2 -791	3	Y	241.1		
723	348	C-A6 -794	3	Y	242		

Depth_m	Calc_Elevatio	Group	Formation	Member
232	-192.6	Horton	Albert	Fredericks Bro
232	-215.27	Horton	Albert	Fredericks Bro
232	-171.09	Horton	Albert	Fredericks Bro
232	-163.59	Horton	Albert	Fredericks Bro
231.49	-187.55	Horton	Albert	Fredericks Bro
231.62	-195.89	Horton	Albert	Fredericks Bro
233.17	-118.87	Horton	Albert	Fredericks Bro
233.12	-197.39	Horton	Albert	Fredericks Bro
234	-194.6	Horton	Albert	Fredericks Bro
234	-217.27	Horton	Albert	Fredericks Bro
234	-173.09	Horton	Albert	Fredericks Bro
234	-165.59	Horton	Albert	Fredericks Bro
234.39	-104.85	Horton	Albert	
234.7	-120.4	Horton	Albert	Fredericks Bro
234.7	-230.7	Horton	Albert	
235	-171.24	Cumberland	Boss Point	
	-198.78	Horton	Albert	Fredericks Bro
236	-196.6	Horton	Albert	Fredericks Bro
236	-219.27	Horton	Albert	Fredericks Bro
236	-175.09	Horton	Albert	Fredericks Bro
236	-167.59	Horton	Albert	Fredericks Bro
237.74	-117.34	Horton	Albert	
238	-198.6	Horton	Albert	Fredericks Bro
238	-221.27	Horton	Albert	Fredericks Bro
238	-177.09	Horton	Albert	Fredericks Bro
238	-169.59	Horton	Albert	Fredericks Bro
238.05	-134.42	Horton	Albert	Fredericks Bro
238.35	-124.05	Horton	Albert	Fredericks Bro
239	-194.39	Horton	Albert	Fredericks Bro
240	-179.73	Horton	Albert	
240	-195.39	Horton	Albert	Fredericks Bro
240	-200.6	Horton	Albert	Fredericks Bro
240	-223.27	Horton	Albert	Fredericks Bro
240	-179.09	Horton	Albert	Fredericks Bro
240	-171.59	Horton	Albert	Fredericks Bro
240.79	-132.59	Horton	Albert	
241.1	-137.47	Horton	Albert	Fredericks Bro
242	-121.6	Horton	Albert	

Sample_Description
grey to brownish grey Dolomite, dolomitic, discontinuous thick laminations, lo
grey to light grey Claystone dolomitic, thickly laminated, regular laminations lo
brownish grey to grey 90% Dolomite, thickly to thinly laminated, silty, kerogen
grey to brown grey 70% Sandstone interbedded medium to coarse grained po
Shale grey with lighter rip up clasts, fish scales, kerogenous flecks and lamin
Silty Shale dark grey with carbonaceous flakes, finely laminated, random calci
Dolomitic Marlstone, dark brown, microlaminated
Silty Shale dark grey with carbonaceous flakes, finely laminated, random calci
grey to brownish grey Dolomite, dolomitic, discontinuous thick laminations, lo
dark grey to grey and grey brown Dolomite, thinly laminated, regular slightly c
brownish grey to grey 90% Dolomite, thickly to thinly laminated, silty, kerogen
grey to brown grey 70% Sandstone interbedded medium to coarse grained po
Siltstone and Sandstone dark grey to brown, medium to coarse grained Ss
Dolomitic Marlstone, dark brown, microlaminated, contorted
Dk gy, parallel lam. Mudstone. Rock has tiny calcite veinlets along fractures.
Sandstone light grey - green
Silty Shale dark grey with carbonaceous flecks
grey to brownish grey Dolomite, dolomitic, discontinuous thick laminations, lo
dark grey to grey and grey brown Dolomite, thinly laminated, regular slightly c
brown grey to grey, 55% Dolomite silty, laminated and slightly kerogenous, 45
brown grey to dark brown grey Claystone, dolomitic, massive to thickly lamina
Dolomitic Marlstone dark brown, variable microlaminated
grey to brownish grey Dolomite, dolomitic, discontinuous thick laminations, lo
grey to light grey and brownish Dolomite, thickly laminated, regular lamination
brown grey to grey, 55% Dolomite silty, laminated and slightly kerogenous, 45
grey brown to grey 850% Sandstone interbedded medium to coarse grained p
Marlstone medium grey to dark brown, slightly dolomitic, fissile, smokes & glo
Dolomitic Marlstone, dark brown, microlaminated
Shale grey brown, slickensides, finely laminated kerogen
Shale light to medium grey, moderate hd, blocky to subplaty, anhydrate blebs
Siltstone grey, calcareous, finely current bedding
grey Claystone, dolomitic, discontinuous flamelike laminations, locally sheare
grey to light grey and brownish Dolomite, thickly laminated, regular lamination
green grey to grey, 55% Dolomite silty, laminated and slightly kerogenous, 45
grey brown to grey 850% Sandstone interbedded medium to coarse grained p
Marlstone to silty dolomite, brown, massive to poorly laminated, albertite vein
Marlstone medium grey to dark brown, slightly dolomitic, fissile, smokes & glo
Dolomitic Marlstone dark brown, variable microlaminated

General_Note	Sample_Type	Palynology
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Sample is unsuitable for Bulk Density Analysi		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1951	691	242	31	Y	242		
2105	692	242	31	Y	242		
2338	693	242	31	Y	242		
2445	694	242	31	Y	242		
1089	356	PEX Dover 2 -224	11	Y	242.02	240.68	242.02
1090	356	PEX Dover 2 -242.3	10	Y	242.3		
696	347	Albert #5 -795	2	Y	242.32		
1952	691	244	31	Y	244		
2106	692	244	31	Y	244		
2339	693	244	31	Y	244		
2446	694	244	31	Y	244		
560	345	C-A2 -802	3	Y	244.45		
1092	356	PEX Dover 2 -245.0	10	Y	245		
697	347	Albert #5 -805	2	Y	245.36		
1953	691	246	31	Y	246		
2107	692	246	31	Y	246		
2340	693	246	31	Y	246		
2447	694	246	31	Y	246		
724	348	C-A6 -810	3	Y	246.89		
1008	355	PEX Dover 1 -247.6	10	Y	247.6		
3794	356	PEX Dover #2-3108	11	Y	247.97	246.57	247.97
1954	691	248	31	Y	248		
2108	692	248	31	Y	248		
2341	693	248	31	Y	248		
2448	694	248	31	Y	248		
1730	491	Test Hole 1094	14	Y	248.11		
1123	356	Dover#2 -249	25	Y	249		
698	347	Albert #5 -817	2	Y	249.02		
1094	356	Dover #2 -249.32	2	Y	249.32		
644	343	A-A1A -819	3	Y	249.63		
3692	330	670-820'	21	Y	249.94	204.216	249.936
3795	356	PEX Dover #2-3109	11	Y	249.97	247.97	249.97
1955	691	250	31	Y	250		
2109	692	250	31	Y	250		
2342	693	250	31	Y	250		
2449	694	250	31	Y	250		
3796	356	PEX Dover #2-3110	11	Y	250.77	249.97	250.77
699	347	Albert #5 -824	2	Y	251.16		

Depth_m	Calc_Elevatio	Group	Formation	Member
242	-202.6	Horton	Albert	Fredericks Bro
242	-225.27	Horton	Albert	Fredericks Bro
242	-181.09	Horton	Albert	Fredericks Bro
242	-173.59	Horton	Albert	Fredericks Bro
241.37	-197.41	Horton	Albert	Fredericks Bro
242.3	-197.69	Horton	Albert	Fredericks Bro
242.32	-128.02	Horton	Albert	Fredericks Bro
244	-204.6	Horton	Albert	Fredericks Bro
244	-227.27	Horton	Albert	Fredericks Bro
244	-183.09	Horton	Albert	Fredericks Bro
244	-175.59	Horton	Albert	Fredericks Bro
244.45	-140.82	Horton	Albert	Fredericks Bro
245	-200.39	Horton	Albert	Fredericks Bro
245.36	-131.06	Horton	Albert	Fredericks Bro
246	-206.6	Horton	Albert	Fredericks Bro
246	-229.27	Horton	Albert	Fredericks Bro
246	-185.09	Horton	Albert	Fredericks Bro
246	-177.59	Horton	Albert	Fredericks Bro
246.89	-126.49	Horton	Albert	
247.6	-211.13	Horton	Albert	Fredericks Bro
	-203.36	Horton	Albert	Fredericks Bro
248	-208.6	Horton	Albert	Fredericks Bro
248	-231.27	Horton	Albert	Fredericks Bro
248	-187.09	Horton	Albert	Fredericks Bro
248	-179.59	Horton	Albert	Fredericks Bro
248.11	-238.96	Pictou		
249	-204.39	Horton	Albert	Fredericks Bro
249.02	-134.72	Horton	Albert	Fredericks Bro
249.32	-204.71	Horton	Albert	Fredericks Bro
249.63	-141.43	Horton	Albert	
	-230.43	Cumberland	Boss Point	
	-205.36	Horton	Albert	Fredericks Bro
250	-210.6	Horton	Albert	Fredericks Bro
250	-233.27	Horton	Albert	Fredericks Bro
250	-189.09	Horton	Albert	Fredericks Bro
250	-181.59	Horton	Albert	Fredericks Bro
	-206.16	Horton	Albert	Fredericks Bro
251.16	-136.86	Horton	Albert	Fredericks Bro

Sample_Description
grey Claystone, dolomitic, discontinuous flamelike laminations, locally sheare
grey to light grey and brownish Dolomite, thickly laminated, regular lamination
green grey to grey, 55% Dolomite silty, laminated and slightly kerogenous, 45
grey brown to grey Sandstone dolomitic, massive to very thinly bedded, massi
Shale grey, finely laminated, kerogenous, convoluted beddint
Siltstone grey, grading to grey shale
Dolomitic Marlstone, dark brown, microlaminated, contorted
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
grey to light grey and brownish Dolomite, thickly laminated, regular lamination
green grey to grey, 55% Dolomite silty, laminated and slightly kerogenous, 45
grey brown to grey Sandstone dolomitic, massive to very thinly bedded, massi
Marlstone medium grey to dark brown, slightly dolomitic, fissile, smokes & glo
Shale dark grey, bedding plane slips, some kerogen laminae
Dolomitic Marlstone, dark brown, microlaminated
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
grey to light grey and brownish Dolomite, thickly laminated, regular lamination
green grey to grey, 55% Dolomite silty, laminated and slightly kerogenous, 45
brown grey to dark grey Dolomite, silty to sandy, thick to thin lamiantions, reg
Dolomitic Marlstone dark brown, variable microlaminated
Silty Shale dolomitic, dark grey, finely laminated
Shale grey brown, laminated, kerogenous, some convoluted bedding
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
green grey to grey, 55% Dolomite silty, laminated and slightly kerogenous, 45
brown grey to dark grey Dolomite, silty to sandy, thick to thin lamiantions, reg
60% Siltstone, 25% lithic Sandstone, 10% Coal, 5% polymitic Conglomerate
Shale grey brown, laminated, kerogenous, some convoluted bedding
Dolomitic Marlstone, dark brown, poorly microlaminated
Shale grey brown, laminated, kerogenous, some convoluted bedding
Shale brown, dolomitic, laminate, subfissile, minor sandstone
Shale grey brown, laminated, kerogenous, some convoluted bedding
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
green grey to grey, 55% Dolomite silty, laminated and slightly kerogenous, 45
brown grey to light grey mixed Sediments, 70% Sandstone calcareous mediu
Shale grey brown, laminated, kerogenous, some convoluted bedding
Dolomitic Marlstone, dark brown, poorly microlaminated

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1095	356	PEX Dover 2 -251.47	11	Y	251.47		
1010	355	PEX Dover 1 -251.5	10	Y	251.5		
1956	691	252	31	Y	252		
2110	692	252	31	Y	252		
2343	693	252	31	Y	252		
2450	694	252	31	Y	252		
3797	356	PEX Dover #2-3111	11	Y	252.17	250.77	252.17
648	347	C-A5 -830	3	Y	252.98		
1012	355	PEX Dover 1 -253.3	10	Y	253.3		
3798	356	PEX Dover #2-3112	11	Y	253.57	252.17	253.57
1015	355	Dover #1 -253.70	2	Y	253.7		
1957	691	254	31	Y	254		
2111	692	254	31	Y	254		
2344	693	254	31	Y	254		
2451	694	254	31	Y	254		
1016	355	PEX Dover 1 -120	11	Y	254.5	253	254.5
1017	355	Dover #1 -254.85	2	Y	254.85		
3799	356	PEX Dover #2-3113	11	Y	254.97	253.57	254.97
231	319	C-401236	24	Y	255.12	249.33	255.12
1096	356	PEX Dover 2 -255.67	11	Y	255.67		
1018	355	PEX Dover 1 -121	11	Y	256	254.5	256
1958	691	256	31	Y	256		
2112	692	256	31	Y	256		
2345	693	256	31	Y	256		
2452	694	256	31	Y	256		
144	99	Apohaqui 1 -256.0	4	Y	256.03	222.5	256.03
725	348	C-A6 -840	3	Y	256.03		
3800	356	PEX Dover #2-3114	11	Y	256.37	254.97	256.37
649	347	C-A5 -842	3	Y	256.64		
1019	355	Dover #1 -256.88	2	Y	256.88		
3801	356	PEX Dover #2-3115	11	Y	257.77	256.37	257.77
1959	691	258	31	Y	258		
2113	692	258	31	Y	258		
2346	693	258	31	Y	258		
2453	694	258	31	Y	258		
3802	356	PEX Dover #2-3116	11	Y	259.07	257.77	259.07
700	347	Albert #5 -850	2	Y	259.08		
3698	42	710-850'	21	Y	259.08	216.408	259.08

Depth_m	Calc_Elevatio	Group	Formation	Member
251.47	-206.86	Horton	Albert	Fredericks Bro
251.5	-215.02	Horton	Albert	Fredericks Bro
252	-212.6	Horton	Albert	Fredericks Bro
252	-235.27	Horton	Albert	Fredericks Bro
252	-191.09	Horton	Albert	Dawson Settle
252	-183.59	Horton	Albert	Fredericks Bro
	-207.56	Horton	Albert	Fredericks Bro
252.98	-138.68	Horton	Albert	Fredericks Bro
253.3	-216.83	Horton	Albert	Fredericks Bro
	-208.96	Horton	Albert	Fredericks Bro
253.7	-217.22	Horton	Albert	Fredericks Bro
254	-214.6	Horton	Albert	Fredericks Bro
254	-237.27	Horton	Albert	Fredericks Bro
254	-193.09	Horton	Albert	Dawson Settle
254	-185.59	Horton	Albert	Fredericks Bro
253.75	-218.02	Horton	Albert	Fredericks Bro
254.85	-218.38	Horton	Albert	Fredericks Bro
	-210.36	Horton	Albert	Fredericks Bro
	-155.76	Cumberland	Boss Point	
255.67	-211.06	Horton	Albert	Fredericks Bro
255.25	-219.52	Horton	Albert	Fredericks Bro
256	-216.6	Horton	Albert	Fredericks Bro
256	-239.27	Horton	Albert	Fredericks Bro
256	-195.09	Horton	Albert	Dawson Settle
256	-187.59	Horton	Albert	Fredericks Bro
256	-101.19	Horton	Albert	
256.03	-135.63	Horton	Albert	
	-211.76	Horton	Albert	Fredericks Bro
256.64	-142.34	Horton	Albert	Fredericks Bro
256.88	-220.41	Horton	Albert	Fredericks Bro
	-213.16	Horton	Albert	Fredericks Bro
258	-218.6	Horton	Albert	Fredericks Bro
258	-241.27	Horton	Albert	Fredericks Bro
258	-197.09	Horton	Albert	Dawson Settle
258	-189.59	Horton	Albert	Fredericks Bro
	-214.46	Horton	Albert	Fredericks Bro
259.08	-144.78	Horton	Albert	Fredericks Bro
	-106.68	Horton	Albert	

Sample_Description
Shale grey brown, laminated
Silty Shale dolomitic, dark grey, finely laminated
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
grey to brown grey Claystone, dolomitic, thickly laminated, regular laminations
brown grey to light grey mixed Sediments, 70% Sandstone calcareous mediu
Shale grey brown, laminated
Dolomitic Marlstone, dark brown, microlaminated
Silty Shale dolomitic, dark grey, finely laminated
Shale grey brown, laminated
Silty Shale dolomitic, dark grey, finely laminated
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
green grey to grey Conglomerate massive weakly fractured, oily surface, poor
brown grey to light grey mixed Sediments, 70% Sandstone calcareous mediu
Silty Shale dolomitic, dark grey, finely laminated
Silty Shale dolomitic, dark grey, finely laminated
Silty Shale grey, multiple slip planes
Sandstone fine grained lithic wacke with disseminated pyrite and dark grey sh
Silty Shale grey, multiple slip planes
Silty Shale dolomitic, dark grey, finely laminated
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
green grey to brownish grey Claystone, dolomitic, thickly laminated, regular la
brown grey to light grey mixed Sediments, 70% Sandstone calcareous mediu
Shale grey, NB
Dolomitic Marlstone dark brown, variable microlaminated
Silty Shale grey, tan siltstone, finely interbedded, scattered kerogen laminae
Dolomitic Marlstone, dark brown, microlaminated
Silty Shale dolomitic, dark grey, finely laminated
Silty Shale grey, tan siltstone, finely interbedded, scattered kerogen laminae
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
green grey to brownish grey Claystone, dolomitic, thickly laminated, regular la
brown grey to light grey mixed Sediments, 70% Sandstone calcareous mediu
Silty Shale grey, tan siltstone, finely interbedded, scattered kerogen laminae
Dolomitic Marlstone, dark brown, microlaminated

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1097	356	PEX Dover 2 -259.7	11	Y	259.7		
184	146	Middlesex#1 -260	21	Y	260		
451	332	ICESC1-260	25	Y	260		
1960	691	260	31	Y	260		
2114	692	260	31	Y	260		
2347	693	260	31	Y	260		
2454	694	260	31	Y	260		
3803	356	PEX Dover #2-3117	11	Y	260.33	259.07	260.33
595	337	AB1 -858	3	Y	261.52		
3804	356	PEX Dover #2-3118	11	Y	261.58	260.33	261.58
1961	691	262	31	Y	262		
2115	692	262	31	Y	262		
2348	693	262	31	Y	262		
2455	694	262	31	Y	262		
1020	355	PEX Dover 1 -114	11	Y	262.1	260.6	262.1
1021	355	PEX Dover 1 -115	11	Y	263.6	262.1	263.6
1022	355	PEX Dover 1 -264.00	10	Y	264		
1962	691	264	31	Y	264		
2116	692	264	31	Y	264		
2349	693	264	31	Y	264		
2456	694	264	31	Y	264		
1963	691	266	31	Y	266		
2117	692	266	31	Y	266		
2350	693	266	31	Y	266		
2457	694	266	31	Y	266		
701	347	Albert #5 -873	2	Y	266.09		
1098	356	PEX Dover 2 -235	11	Y	266.41		
1024	355	Dover #1 -266.51	2	Y	266.51		
650	347	C-A5 -876	3	Y	267		
1964	691	268	31	Y	268		
2118	692	268	31	Y	268		
2351	693	268	31	Y	268		
2458	694	268	31	Y	268		
169	145	Pollett River#1-0780-0880	21	Y	268.22	237.744	268.224
170	145	PR1-880	19	Y	268.22		
158	99	L390-18 - Apohaqui1 - Sample 3	26	Y	268.29	262.2	268.29
651	347	C-A5 -882	3	Y	268.83		
1965	691	270	31	Y	270		

Depth_m	Calc_Elevatio	Group	Formation	Member
259.7	-215.09	Horton	Albert	Fredericks Bro
260	-196.24	Cumberland	Boss Point	
260	-199.73	Horton	Albert	
260	-220.6	Horton	Albert	Fredericks Bro
260	-243.27	Horton	Albert	Fredericks Bro
260	-199.09	Horton	Albert	Dawson Settle
260	-191.59	Horton	Albert	Fredericks Bro
	-215.72	Horton	Albert	Fredericks Bro
261.52	-231.04	Horton	Albert	
	-216.97	Horton	Albert	Fredericks Bro
262	-222.6	Horton	Albert	Fredericks Bro
262	-245.27	Horton	Albert	Fredericks Bro
262	-201.09	Horton	Albert	Dawson Settle
262	-193.59	Horton	Albert	Fredericks Bro
261.35	-225.63	Horton	Albert	Fredericks Bro
262.95	-227.13	Horton	Albert	Fredericks Bro
264	-227.52	Horton	Albert	Fredericks Bro
264	-224.6	Horton	Albert	Fredericks Bro
264	-247.27	Horton	Albert	Fredericks Bro
264	-203.09	Horton	Albert	Dawson Settle
264	-195.59	Horton	Albert	Fredericks Bro
266	-226.6	Horton	Albert	Fredericks Bro
266	-249.27	Horton	Albert	Fredericks Bro
266	-205.09	Horton	Albert	Dawson Settle
266	-197.59	Horton	Albert	Fredericks Bro
266.09	-151.79	Horton	Albert	Fredericks Bro
266.41	-221.8	Horton	Albert	Fredericks Bro
266.51	-230.04	Horton	Albert	Fredericks Bro
267	-152.7	Horton	Albert	Fredericks Bro
268	-228.6	Horton	Albert	Fredericks Bro
268	-251.27	Horton	Albert	Fredericks Bro
268	-207.09	Horton	Albert	Dawson Settle
268	-199.59	Horton	Albert	Fredericks Bro
253	-217.93	Cumberland	Boss Point	
268.22	-217.93	Cumberland	Boss Point	
262.2	-113.45	Horton	Albert	
268.83	-154.53	Horton	Albert	Fredericks Bro
270	-230.6	Horton	Albert	Fredericks Bro

Sample_Description
Silty Shale grey, tan siltstone, finely interbedded, scattered kerogen laminae
Quartz pebble conglomerate
Shale light to medium grey, moderate hd, blocky to subplaty, anhydrate blebs
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
green grey to brownish grey Claystone, dolomitic, thickly laminated, regular la
brown grey to light grey mixed Sediments, 70% Sandstone calcareous mediu
Silty Shale grey, tan siltstone, finely interbedded, scattered kerogen laminae
Marlstone light brown, discontinuous kerogen flakes give faint but distinct wav
Silty Shale grey, tan siltstone, finely interbedded, scattered kerogen laminae
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
green grey to brownish grey Claystone, dolomitic, thickly laminated, regular la
dark grey to brown grey 90% Claystone, calcareous,thickly to thinly laminated
Silty Shale dolomitic, grey, poorly laminated
Silty Shale dolomitic, grey, poorly laminated
Shale grey-brown, finely laminated, blacker than most shales
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
grey to brownish grey 90% Silty Claystone, dolomitic, thickly laminated, silty,
dark grey to brown grey 90% Claystone, calcareous, thickly to thinly laminate
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
grey to brownish grey 90% Silty Claystone, dolomitic, thickly laminated, silty,
brown grey to light grey mixed Sediments, 70% Sandstone calcareous mediu
Dolomitic Marlstone, dark brown, microlaminated
Shale tan, dolomitic, very fine frequent kerogen laminae
Shale grey-brown, finely laminated, blacker than most shales
Dolomitic Marlstone, dark brown, microlaminated
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs
dark grey to grey Claystone, calcareous/dolomitic, thickly laminated, laminatio
grey to brownish grey 90% Silty Claystone, dolomitic, thickly laminated, silty,
light grey to brown grey 95% Claystone, calcareous, thickly laminated, regular
Sandstone grey to green grey fine grained
50% medium dark grey noncalc mxs fine grained Slst, 50% medium grey very
80% dark grey - 20% medium grey, silty shale with vfg to fine grained sandsto
Dolomitic Marlstone, dark brown, microlaminated
dark grey to dark brownish grey Dolomite, dolomitic, irregular and slightly offs

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
2119	692	270	31	Y	270		
2352	693	270	31	Y	270		
2459	694	270	31	Y	270		
641	340	L390-23 - Arco Rosevale1 - Samp	26	Y	270.53	270.43	270.53
1966	691	272	31	Y	272		
2120	692	272	31	Y	272		
2353	693	272	31	Y	272		
2460	694	272	31	Y	272		
3590	4334	80MAO-31A	1	Y	272.2		
702	347	Albert #5 -894	2	Y	272.49		
1967	691	274	31	Y	274		
2121	692	274	31	Y	274		
2354	693	274	31	Y	274		
2461	694	274	31	Y	274		
146	99	Apohaqui 1 -274.3	4	Y	274.3		
1025	355	Dover #1 -275.17	2	Y	275.17		
1968	691	276	31	Y	276		
2122	692	276	31	Y	276		
2462	694	276	31	Y	276		
703	347	Albert #5 -911	2	Y	277.67		
1969	691	278	31	Y	278		
2123	692	278	31	Y	278		
2463	694	278	31	Y	278		
652	347	C-A5 -917	3	Y	279.5		
1970	691	280	31	Y	280		
2124	692	280	31	Y	280		
2464	694	280	31	Y	280		
102	42	Urney #1 -920	22	Y	280.42		
704	347	Albert #5 -925	2	Y	281.94		
1971	691	282	31	Y	282		
2125	692	282	31	Y	282		
2465	694	282	31	Y	282		
654	347	C-A5 -927	3	Y	282.55		
726	348	C-A6 -929	3	Y	283.16		
705	347	Albert #5 -930	2	Y	283.46		
147	99	Apohaqui 1 -283.5	4	Y	283.5		
1972	691	284	31	Y	284		
2126	692	284	31	Y	284		

Depth_m	Calc_Elevatio	Group	Formation	Member
270	-253.27	Horton	Albert	Fredericks Bro
270	-209.09	Horton	Albert	Dawson Settle
270	-201.59	Horton	Albert	Fredericks Bro
270.5	-121.18	Horton	Albert	
272	-232.6	Horton	Albert	Fredericks Bro
272	-255.27	Horton	Albert	Fredericks Bro
272	-211.09	Horton	Albert	Dawson Settle
272	-203.59	Horton	Albert	Fredericks Bro
272.2	-212.2	Windsor	Macumber	
272.49	-158.19	Horton	Albert	Fredericks Bro
274	-234.6	Horton	Albert	Fredericks Bro
274	-257.27	Horton	Albert	Fredericks Bro
274	-213.09	Horton	Albert	Dawson Settle
274	-205.59	Horton	Albert	Fredericks Bro
274.3	-119.46	Horton	Albert	
275.17	-238.7	Horton	Albert	Fredericks Bro
276	-236.6	Horton	Albert	Fredericks Bro
276	-259.27	Horton	Albert	Fredericks Bro
276	-207.59	Horton	Albert	Fredericks Bro
277.67	-163.37	Horton	Albert	Fredericks Bro
278	-238.6	Horton	Albert	Fredericks Bro
278	-261.27	Horton	Albert	Fredericks Bro
278	-209.59	Horton	Albert	Fredericks Bro
279.5	-165.2	Horton	Albert	Fredericks Bro
280	-240.6	Horton	Albert	Fredericks Bro
280	-263.27	Horton	Albert	Fredericks Bro
280	-211.59	Horton	Albert	Fredericks Bro
280.42	-128.02	Horton	Albert	
281.94	-167.64	Horton	Albert	Fredericks Bro
282	-242.6	Horton	Albert	Fredericks Bro
282	-265.27	Horton	Albert	Fredericks Bro
282	-213.59	Horton	Albert	Fredericks Bro
282.55	-168.25	Horton	Albert	Fredericks Bro
283.16	-162.76	Horton	Albert	
283.46	-169.16	Horton	Albert	Fredericks Bro
283.5	-128.66	Horton	Albert	
284	-244.6	Horton	Albert	Fredericks Bro
284	-267.27	Horton	Albert	Fredericks Bro

Sample_Description
brown grey to grey Clasystone, calcareous, thickly laminated, typically massiv
grey to brownish grey 90% Silty Claystone, dolomitic, thickly laminated, silty,
light grey to brown grey 95% Claystone, calcareous, thickly laminated, regular
Parallel laminations, micro laminations, some silt lenticular laminations, medi
grey to dark grey, dolomitic Claystone, regular and slightly offset laminations,
brown grey to grey Clasystone, calcareous, thickly laminated, typically massiv
light brown to grey Claystone, dolomitic, massive to thickly laminated, laminati
brown grey to light grey mixed Sediments, 80% Sandstone calcareous mediu
Limestone dark grey, slightly pertoliferous stromatolitic
Dolomitic Marlstone, dark brown, microlaminated
grey to dark grey, dolomitic Claystone, regular and slightly offset laminations,
brown grey to grey Clasystone, calcareous, thickly laminated, typically massiv
grey to light grey 45% Sandstone highly fractured, brecciated sandstone siltst
brown grey to light grey mixed Sediments, 80% Sandstone calcareous mediu
Sandstone grey to light grey, fine grained, some red sandstone
Silty Shale grey-brown, finely laminated, dolomitic, calcite veins
grey to dark grey, dolomitic Claystone, regular and slightly offset laminations,
brown grey to grey Clasystone, calcareous, thickly laminated, typically massiv
brown grey to light grey mixed Sediments, 80% Sandstone calcareous mediu
Dolomitic Marlstone, dark brown, microlaminated
grey to dark grey, dolomitic Claystone, regular and slightly offset laminations,
brown grey to grey Clasystone, calcareous, thickly laminated, typically massiv
grey to dark grey Claystone, dolomitic, thickly to thinly laminated, regular alter
Dolomitic Marlstone, dark brown, microlaminated
grey to light grey and green grey Claystone, 70% calcareous, fine to medium
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
dark grey to brown grey Dolomite, dolomitic, thickly to thinly laminated, regula
Shale grey gen B - HB
Dolomitic Marlstone, dark brown, microlaminated
grey to light grey and green grey Claystone, 70% calcareous, fine to medium
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
grey to dark grey Claystone, dolomitic, thickly to thinly laminated, regular alter
Dolomitic Marlstone, dark brown, indistinct microlaminated
Dolomitic Marlstone dark brown, variable microlaminated, high yield
Dolomitic Marlstone, dark brown, indistinct microlaminae
Shale grey, NB
grey to light grey and green grey Claystone, 70% calcareous, fine to medium
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2466	694	284	31	Y	284		
655	347	C-A5 -938	3	Y	285.9		
1973	691	286	31	Y	286		
2127	692	286	31	Y	286		
2467	694	286	31	Y	286		
1974	691	288	31	Y	288		
2128	692	288	31	Y	288		
2468	694	288	31	Y	288		
596	337	AB1 -948	3	Y	288.95		
1975	691	290	31	Y	290		
2129	692	290	31	Y	290		
2469	694	290	31	Y	290		
645	343	A-A1A -958	3	Y	292		
1976	691	292	31	Y	292		
2130	692	292	31	Y	292		
2470	694	292	31	Y	292		
1977	691	294	31	Y	294		
2131	692	294	31	Y	294		
2471	694	294	31	Y	294		
3728	299	940-967'	21	Y	294.74	286.512	294.742
148	99	Apohaqui 1 -295.7	4	Y	295.7		
1978	691	296	31	Y	296		
2132	692	296	31	Y	296		
2472	694	296	31	Y	296		
3653	279	29-973ft	39	Y	296.57	295.05	296.57
1979	691	298	31	Y	298		
2133	692	298	31	Y	298		
2473	694	298	31	Y	298		
3805	356	PEX Dover #2-3119	11	Y	299.5	298	299.5
1980	691	300	31	Y	300		
2134	692	300	31	Y	300		
2474	694	300	31	Y	300		
1099	356	PEX Dover 2 -300.25	11	Y	300.25		
3630	424	4-986ft	39	Y	300.53		
3806	356	PEX Dover #2-3120	11	Y	301	299.5	301
1981	691	302	31	Y	302		
2135	692	302	31	Y	302		
2475	694	302	31	Y	302		

Depth_m	Calc_Elevatio	Group	Formation	Member
284	-215.59	Horton	Albert	Fredericks Bro
285.9	-171.6	Horton	Albert	Fredericks Bro
286	-246.6	Horton	Albert	Fredericks Bro
286	-269.27	Horton	Albert	Fredericks Bro
286	-217.59	Horton	Albert	Fredericks Bro
288	-248.6	Horton	Albert	Fredericks Bro
288	-271.27	Horton	Albert	Fredericks Bro
288	-219.59	Horton	Albert	Fredericks Bro
288.95	-258.47	Horton	Albert	
290	-250.6	Horton	Albert	Fredericks Bro
290	-273.27	Horton	Albert	Fredericks Bro
290	-221.59	Horton	Albert	Fredericks Bro
292	-183.8	Horton	Albert	
292	-252.6	Horton	Albert	Fredericks Bro
292	-275.27	Horton	Albert	Fredericks Bro
292	-223.59	Horton	Albert	Fredericks Bro
294	-254.6	Horton	Albert	Fredericks Bro
294	-277.27	Horton	Albert	Fredericks Bro
294	-225.59	Horton	Albert	Fredericks Bro
	-178.92			
295.7	-140.86	Horton	Albert	
296	-256.6	Horton	Albert	Fredericks Bro
296	-279.27	Horton	Albert	Fredericks Bro
296	-227.59	Horton	Albert	Fredericks Bro
	-177.39			
298	-258.6	Horton	Albert	Fredericks Bro
298	-281.27	Horton	Albert	Fredericks Bro
298	-229.59	Horton	Albert	Fredericks Bro
	-254.89	Horton	Albert	Fredericks Bro
300	-260.6	Horton	Albert	Fredericks Bro
300	-283.27	Horton	Albert	Fredericks Bro
300	-231.59	Horton	Albert	Fredericks Bro
300.25	-255.64	Horton	Albert	Fredericks Bro
300.53	-262.43	Cumberland		
	-256.39	Horton	Albert	Fredericks Bro
302	-262.6	Horton	Albert	Fredericks Bro
302	-285.27	Horton	Albert	Fredericks Bro
302	-233.59	Horton	Albert	Fredericks Bro

Sample_Description
grey to dark grey, 95% Claystone, dolomitic, thickly to thinly laminated, regula
Dolomitic Marlstone, dark brown, indistinct microlaminated
grey to light grey and green grey Claystone, 70% calcareous, fine to medium
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
grey brown to grey Dolomite, thick to very thinly laminated, regular alternating
grey to light grey and green grey Claystone, 70% calcareous, fine to medium
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
grey brown to grey Dolomite, thick to very thinly laminated, regular alternating
Marlstone light brown, discontinuous kerogen flakes give faint but distinct wav
grey to light grey and green grey Claystone, 70% calcareous, fine to medium
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
grey brown to grey Dolomite, silty, thickly to very tinly laminated, regular, locall
Marlstone laminated brown, varved, extremely silty, grading to siltstone, with
grey to light grey and green grey Claystone, 70% calcareous, fine to medium
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
grey to grey brown Claystone, dolomitic, sandy, massive to thickly laminated,
dark grey to grey Claystone, dolomitic, regular and slightly offset laminations,
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
grey to brown grey Claystone, dolomitic, thickly to very thinly laminated, regul
Green grey calcareous Shale
Shale grey, NB, sandy
dark grey to grey Claystone, dolomitic, regular and slightly offset laminations,
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
brown grey to grey and grey brown mixed Sediments, 70% Sandstone massiv
black grey Shale
dark grey to grey Claystone, dolomitic, regular and slightly offset laminations,
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
grey to grey brown 90% Claystone dolomitic, thinly bedded to thickly laminate
Silty Shale grey brown, finely laminated with kerogenous material
grey to light grey and green grey, 90% Sandstone calcareous, fine to medium
dark brown grey, 90% Claystone, calcareous, silty, typically regular distinct thi
grey to grey brown 90% Claystone dolomitic, thinly bedded to thickly laminate
Silty Shale grey brown, finely laminated with kerogenous material
Claystone to Siltstone, dark green to grey with pyrite and plant fragments
Silty Shale grey brown, finely laminated with kerogenous material
grey to light grey and green grey, 90% Sandstone calcareous, fine to medium
brown grey to grey Dolomite, thickly to thinly laminated, laminations regular wi
grey to dark grey Claystone, dolomitic, thickly to thinly laminated, regular, alte

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3807	356	PEX Dover #2-3121	11	Y	302.5	301	302.5
1124	356	Dover#2 -303	25	Y	303		
1100	356	PEX Dover 2 -303.25	11	Y	303.25		
1101	356	Dover #2 -303.66	2	Y	303.66		
1982	691	304	31	Y	304		
2136	692	304	31	Y	304		
2476	694	304	31	Y	304		
3808	356	PEX Dover #2-3122	11	Y	304	302.5	304
1102	356	Dover #2 -305.07	2	Y	305.07		
646	343	A-A1A -1001	3	Y	305.1		
3809	356	PEX Dover #2-3123	11	Y	305.5	304	305.5
1983	691	306	31	Y	306		
2137	692	306	31	Y	306		
2477	694	306	31	Y	306		
1103	356	PEX Dover 2 -306.25	11	Y	306.25		
1125	356	Dover#2 -307	25	Y	307		
3810	356	PEX Dover #2-3124	11	Y	307	305.5	307
1104	356	Dover #2 -307.78	2	Y	307.78		
599	337	AB1 -1010	3	Y	307.85		
1984	691	308	31	Y	308		
2138	692	308	31	Y	308		
2478	694	308	31	Y	308		
3811	356	PEX Dover #2-3125	11	Y	308.5	307	308.5
1126	356	Dover#2 -309	25	Y	309		
1105	356	PEX Dover 2 -309.25	11	Y	309.25		
1106	356	Dover #2 -309.81	2	Y	309.81		
452	332	ICESC1-310	25	Y	310		
1985	691	310	31	Y	310		
2139	692	310	31	Y	310		
2479	694	310	31	Y	310		
3812	356	PEX Dover #2-3126	11	Y	310	308.5	310
1107	356	PEX Dover 2 -310.75	11	Y	310.75		
833	353	C-R1 -1020	3	Y	310.9		
3813	356	PEX Dover #2-3127	11	Y	311.5	310	311.5
1986	691	312	31	Y	312		
2140	692	312	31	Y	312		
2480	694	312	31	Y	312		
1108	356	PEX Dover 2 -312.36	11	Y	312.36		

Depth_m	Calc_Elevatio	Group	Formation	Member
	-257.89	Horton	Albert	Fredericks Bro
303	-258.39	Horton	Albert	Fredericks Bro
303.25	-258.64	Horton	Albert	Fredericks Bro
303.66	-259.05	Horton	Albert	Fredericks Bro
304	-264.6	Horton	Albert	Fredericks Bro
304	-287.27	Horton	Albert	Fredericks Bro
304	-235.59	Horton	Albert	Fredericks Bro
	-259.39	Horton	Albert	Fredericks Bro
305.07	-260.46	Horton	Albert	Fredericks Bro
305.1	-196.9	Horton	Albert	
	-260.89	Horton	Albert	Fredericks Bro
306	-266.6	Horton	Albert	Fredericks Bro
306	-289.27	Horton	Albert	Fredericks Bro
306	-237.59	Horton	Albert	Fredericks Bro
306.25	-261.64	Horton	Albert	Fredericks Bro
307	-262.39	Horton	Albert	Fredericks Bro
	-262.39	Horton	Albert	Fredericks Bro
307.78	-263.17	Horton	Albert	Fredericks Bro
307.85	-277.37	Horton	Albert	
308	-268.6	Horton	Albert	Fredericks Bro
308	-291.27	Horton	Albert	Fredericks Bro
308	-239.59	Horton	Albert	Fredericks Bro
	-263.89	Horton	Albert	Fredericks Bro
309	-264.39	Horton	Albert	Fredericks Bro
309.25	-264.64	Horton	Albert	Fredericks Bro
309.81	-265.2	Horton	Albert	Fredericks Bro
310	-249.73	Horton	Albert	
310	-270.6	Horton	Albert	Fredericks Bro
310	-293.27	Horton	Albert	Fredericks Bro
310	-241.59	Horton	Albert	Fredericks Bro
	-265.39	Horton	Albert	Fredericks Bro
310.75	-266.14	Horton	Albert	Fredericks Bro
310.9	-82.3	Horton	Albert	
	-266.89	Horton	Albert	Fredericks Bro
312	-272.6	Horton	Albert	Fredericks Bro
312	-295.27	Horton	Albert	Fredericks Bro
312	-243.59	Horton	Albert	Fredericks Bro
312.36	-267.75	Horton	Albert	Fredericks Bro

Sample_Description
Silty Shale grey brown, finely laminated with kerogenous material
Silty Shale grey brown, finely laminated with kerogenous material
Silty Shale grey brown, finely laminated with kerogenous material
Silty Shale grey brown, finely laminated with kerogenous material
dark grey Claystone, dolomitic, thickly laminated claystone, strongly fractured
brown grey to grey Dolomite, thickly to thinly laminated, laminations regular wi
brown grey to grey Sandstone dolomitic, massive to thinly bedded, fine to me
Silty Shale grey brown, finely laminated with kerogenous material
Silty Shale grey brown, finely laminated with kerogenous material
Dolomite light to medium brown, silty, sporadic zones of lerogen laminated m
Silty Shale grey brown, finely laminated with kerogenous material
grey to light grey and green grey, 55% Sandstone calcareous, fine to medium
70% brown grey to grey Dolomite, locally moderately kerogenous laminations,
brown grey to grey Sandstone dolomitic massive to thinly bedded, fine to me
Silty Shale grey brown, finely laminated with kerogenous material
Silty Shale grey brown, finely laminated with kerogenous material
Silty Shale grey brown, finely laminated with kerogenous material
Silty Shale grey brown, finely laminated w[illegible] kerogenous material
Marlstone brown massive dolomite type, abundant varves
grey to light grey and green grey, 55% Sandstone calcareous, fine to medium
70% brown grey to grey Dolomite, locally moderately kerogenous laminations,
brown grey to grey Sandstone dolomitic, massive to thinly bedded, fine to me
Siltstone, sandy, tan and grey brown shale, Shale contains kerogenous lamin
Siltstone, sandy, tan and grey brown shale, Shale contains kerogenous lamin
Siltstone, sandy, tan and grey brown shale, Shale contains kerogenous lamin
Siltstone, sandy, tan and grey brown shale, Shale contains kerogenous lamin
Shale light to medium grey, moderate hd, blocky to subplaty, anhydrate nodul
grey to light grey and green grey, 55% Sandstone calcareous, fine to medium
70% brown grey to grey Dolomite, locally moderately kerogenous laminations,
grey to light grey Claystone, dolomitic, very thinly to thickly laminated, regular
Siltstone, sandy, tan and grey brown shale, Shale contains kerogenous lamin
Siltstone, sandy, tan and grey brown shale, Shale contains kerogenous lamin
Shale, dark grey, laminated, fissile, minor kerogen
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
grey to light grey and green grey, 55% Sandstone calcareous, fine to medium
brownish to grey Claystone, thickly laminated silty, dolomitic claystone, some
grey to light grey Claystone, dolomitic, very thinly to thickly laminated, regular
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3814	356	PEX Dover #2-3128	11	Y	313.03	311.5	313.03
642	340	L390-24 - Arco Rosevale1 - Samp	26	Y	313.11	312.98	313.11
1109	356	PEX Dover 2 -313.79	11	Y	313.79		
1987	691	314	31	Y	314		
2141	692	314	31	Y	314		
2481	694	314	31	Y	314		
834	353	C-R1 -1032	3	Y	314.55		
3815	356	PEX Dover #2-3129	11	Y	314.56	313.03	314.56
185	146	Middlesex#1 -315	21	Y	315		
600	337	AB1 -1034	3	Y	315.16		
1110	356	PEX Dover 2 -315.32	11	Y	315.32		
1988	691	316	31	Y	316		
2142	692	316	31	Y	316		
2482	694	316	31	Y	316		
3816	356	PEX Dover #2-3130	11	Y	316.09	314.56	316.09
1111	356	PEX Dover 2 -316.85	11	Y	316.85		
3817	356	PEX Dover #2-3131	11	Y	317.62	316.09	317.62
1989	691	318	31	Y	318		
2143	692	318	31	Y	318		
2483	694	318	31	Y	318		
1112	356	PEX Dover 2 -318.79	11	Y	318.79		
3818	356	PEX Dover #2-3132	11	Y	319.16	317.62	319.16
1113	356	PEX Dover 2 -319.87	11	Y	319.87		
149	99	Apohaqui 1 -320.0	4	Y	320		
188	146	C-401233	24	Y	320	315	320
370	331	ICSC1 -320	25	Y	320		
1990	691	320	31	Y	320		
2144	692	320	31	Y	320		
2484	694	320	31	Y	320		
3631	553	5-1050ft	39	Y	320.04	315.16	320.04
847	353	L390-11 - C-R1-Sample 1	26	Y	320.58	320.43	320.58
3819	356	PEX Dover #2-3133	11	Y	320.68	319.16	320.68
3620	708	NBDNR-22	38	Y	321		
1114	356	PEX Dover 2 -321.44	11	Y	321.44		
1991	691	322	31	Y	322		
2145	692	322	31	Y	322		
2485	694	322	31	Y	322		
3820	356	PEX Dover #2-3134	11	Y	322.21	320.68	322.21

Depth_m	Calc_Elevatio	Group	Formation	Member
	-268.42	Horton	Albert	Fredericks Bro
313.1	-163.76	Horton	Albert	
313.79	-269.18	Horton	Albert	Fredericks Bro
314	-274.6	Horton	Albert	Fredericks Bro
314	-297.27	Horton	Albert	Fredericks Bro
314	-245.59	Horton	Albert	Fredericks Bro
314.55	-85.95	Horton	Albert	
	-269.95	Horton	Albert	Fredericks Bro
315	-251.24	Cumberland	Boss Point	
315.16	-284.68	Horton	Albert	
315.32	-270.71	Horton	Albert	Fredericks Bro
316	-276.6	Horton	Albert	Fredericks Bro
316	-299.27	Horton	Albert	Fredericks Bro
316	-247.59	Horton	Albert	Fredericks Bro
	-271.48	Horton	Albert	Fredericks Bro
316.85	-272.24	Horton	Albert	Fredericks Bro
	-273.01	Horton	Albert	Fredericks Bro
318	-278.6	Horton	Albert	Fredericks Bro
318	-301.27	Horton	Albert	Fredericks Bro
318	-249.59	Horton	Albert	Fredericks Bro
318.79	-274.18	Horton	Albert	Fredericks Bro
	-274.55	Horton	Albert	Fredericks Bro
319.87	-275.26	Horton	Albert	Fredericks Bro
320	-165.16	Horton	Albert	
	-256.24	Cumberland	Boss Point	
320	-233.53	Horton	Albert	
320	-280.6	Horton	Albert	Fredericks Bro
320	-303.27	Horton	Albert	Fredericks Bro
320	-251.59	Horton	Albert	Fredericks Bro
	-254.8	Pictou	Minto	
320.5	-91.98	Horton	Albert	
	-276.07	Horton	Albert	Fredericks Bro
321	-248	Horton	Albert	
321.44	-276.83	Horton	Albert	Fredericks Bro
322	-282.6	Horton	Albert	Fredericks Bro
322	-305.27	Horton	Albert	Fredericks Bro
322	-253.59	Horton	Albert	Fredericks Bro
	-277.6	Horton	Albert	Fredericks Bro

Sample_Description
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
Parallel laminations, micro laminations, some silt lenticular laminations, medi
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
grey to light grey and green grey, 55% Sandstone calcareous, fine to medium
brownish to grey Claystone, thickly laminated silty, dolomitic claystone, some
grey brown to grey, 90% Dolomite, dolomitic, massive with thin discontinuous
Shale dark grey-brown to brown-grey, laminated, fissile, slightly dolomitic
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
Sandstone S&P
Marlstone brown massive dolomite type, abundant varves
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
dark grey Claystone, dolomitic, thickly laminated claystone, some sandy lamin
brownish to grey Claystone, thickly laminated silty, dolomitic claystone, some
grey brown to grey, 90% Dolomite, dolomitic, massive with thin discontinuous
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
dark grey Claystone, dolomitic, thickly laminated claystone, some sandy lamin
brownish to grey Claystone, thickly laminated silty, dolomitic claystone, some
grey to grey brown Dolomite, very thinly bedded to thickly laminated, regular,
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
Sity Shale grey brown and grey green, finely laminated, apparently kerogenou
Silty Shale brown to tan, calcareous, with kerogenous bands
Sandstone grey to light grey, fine grained,
Salisbury Formation
Marlstone medium grey, Shale light greenish grey
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
brownish to grey Claystone, thickly laminated silty, dolomitic claystone, some
grey to grey brown Dolomite, very thinly bedded to thickly laminated, regular,
grey Shale with few small coal fragments
Shale parallel v.f.g. sandstone laminations subfissile, medium dark grey, clay,
Silty Shale brown to tan, calcareous, with kerogenous bands
Dolomite
Shale brown, finely laminated
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
brown grey to grey Dolomite, thickly laminated, laminations locally indistinct c
grey to grey brown Dolomite, very thinly bedded to thickly laminated, regular,
Shale brown, finely laminated

General_Note	Sample_Type	Palynology
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Sample is unsuitable for Bulk Density Analysi		☐
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	Cuttings	☐
no older than late Lagsettian could be Duck		☑
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See Also Reference 13		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
1115	356	PEX Dover 2 -322.97	11	Y	322.97		
3821	356	PEX Dover #2-3135	11	Y	323.73	322.21	323.73
1992	691	324	31	Y	324		
2146	692	324	31	Y	324		
2486	694	324	31	Y	324		
1116	356	PEX Dover 2 -324.45	11	Y	324.45		
3822	356	PEX Dover #2-3136	11	Y	325.17	323.73	325.17
1993	691	326	31	Y	326		
2147	692	326	31	Y	326		
2487	694	326	31	Y	326		
171	145	PR1-1070	19	Y	326.14		
1994	691	328	31	Y	328		
2148	692	328	31	Y	328		
2488	694	328	31	Y	328		
3608	471	NBDNR-12	38	Y	328.27	320.04	328.27
1995	691	330	31	Y	330		
2149	692	330	31	Y	330		
2489	694	330	31	Y	330		
3650	719	26-330	39	Y	330.2		
1996	691	332	31	Y	332		
2150	692	332	31	Y	332		
2490	694	332	31	Y	332		
150	99	Apohaqui 1 -332.2	4	Y	332.2		
1997	691	334	31	Y	334		
2151	692	334	31	Y	334		
2491	694	334	31	Y	334		
453	332	ICESC1-335	25	Y	335		
3699	42	1010-1100'	21	Y	335.28	307.848	335.28
1998	691	336	31	Y	336		
2152	692	336	31	Y	336		
2492	694	336	31	Y	336		
1999	691	337	31	Y	337		
2153	692	338	31	Y	338		
2493	694	338	31	Y	338		
361	331	ICSC1 -340	25	Y	340		
2154	692	340	31	Y	340		
2494	694	340	31	Y	340		
3654	279	30-1118ft	39	Y	340.77	337.41	340.77

Depth_m	Calc_Elevatio	Group	Formation	Member
322.97	-278.36	Horton	Albert	Fredericks Bro
	-279.12	Horton	Albert	Fredericks Bro
324	-284.6	Horton	Albert	Fredericks Bro
324	-307.27	Horton	Albert	Fredericks Bro
324	-255.59	Horton	Albert	Fredericks Bro
324.45	-279.84	Horton	Albert	Fredericks Bro
	-280.56	Horton	Albert	Fredericks Bro
326	-286.6	Horton	Albert	Fredericks Bro
326	-309.27	Horton	Albert	Fredericks Bro
326	-257.59	Horton	Albert	Fredericks Bro
326.14	-275.85	Cumberland	Boss Point	
328	-288.6	Horton	Albert	Fredericks Bro
328	-311.27	Horton	Albert	Fredericks Bro
328	-259.59	Horton	Albert	Fredericks Bro
	-252.07	Pictou	Minto	
330	-290.6	Horton	Albert	Fredericks Bro
330	-313.27	Horton	Albert	Fredericks Bro
330	-261.59	Horton	Albert	Fredericks Bro
330.2		Sussex	Hillsborough	
332	-292.6	Horton	Albert	Fredericks Bro
332	-315.27	Horton	Albert	Fredericks Bro
332	-263.59	Horton	Albert	Fredericks Bro
332.2	-177.36	Horton	Albert	
334	-294.6	Horton	Albert	Fredericks Bro
334	-317.27	Horton	Albert	Fredericks Bro
334	-265.59	Horton	Albert	Fredericks Bro
335	-274.73	Horton	Albert	
	-182.88	Horton	Albert	
336	-296.6	Horton	Albert	Fredericks Bro
336	-319.27	Horton	Albert	Fredericks Bro
336	-267.59	Horton	Albert	Fredericks Bro
337	-297.6	Horton	Albert	Fredericks Bro
338	-321.27	Horton	Albert	Fredericks Bro
338	-269.59	Horton	Albert	Fredericks Bro
340	-253.53	Horton	Albert	
340	-323.27	Horton	Albert	Fredericks Bro
340	-271.59	Horton	Albert	Fredericks Bro
	-221.59			

Sample_Description
Shale brown, finely laminated
Shale brown, finely laminated
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
brown grey to grey Dolomite, thickly laminated, laminations locally indistinct c
grey to grey brown Dolomite, very thinly bedded to thickly laminated, regular,
Shale brown, finely laminated
Shale brown, finely laminated
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
grey to light grey Claystone, thickly laminated calcareous, silty claystone, regu
grey to grey brown Dolomite, very thinly bedded to thickly laminated, regular,
45% dark grey to black dull dirty coal or coaly mudstone, 35% light to meium
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
grey to light grey Claystone, thickly laminated calcareous, silty claystone, regu
grey Claystone, dolomitic, massive to thickly laminated, regular, indistinct, loc
grey Shale with fragments of coal
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
grey to light grey Claystone, thickly laminated calcareous, silty claystone, regu
grey to grey brown Dolomite, very thinly bedded to thickly laminated, regular,
Claystone mixed red and grey grading to siltstone with depth, local sandstone
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
brownish to brown grey Dolomite, thickly laminated, regular laminations, trace
grey to grey brown Dolomite, very thinly bedded to thickly laminated, regular,
Sandstone grey to light grey, fine grained,
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
brownish to brown grey Dolomite, brecciated, thickly to thinly laminated, beddi
grey to grey brown Dolomite, very thinly bedded to thickly laminated, regular,
Dolomite light brown, hd, blocky trace dead oil stain
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
brownish to brown grey Dolomite, brecciated, thickly to thinly laminated, beddi
grey to grey brown Dolomite, massive to thinly laminated, silty, sandy, laminat
light grey to grey and green grey, 80% Sandstone interbedded calcareous ma
brownish to brown grey Dolomite, brecciated, thickly to thinly laminated, beddi
grey to grey brown Dolomite, massive to thinly laminated, silty, sandy, laminat
Marlstone and shale, very fine organic/bitumen specks
brownish to brown grey Claystone, thick regular laminations, slightly offset an
grey to grey brown Dolomite, massive to thinly laminated, silty, sandy, laminat
black grey Shale

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
2155	692	342	31	Y	342		
2495	694	342	31	Y	342		
2156	692	344	31	Y	344		
2496	694	344	31	Y	344		
151	99	Apohaqui 1 -344.4	4	Y	344.4		
3646	117	22-1131ft	39	Y	344.73		
2157	692	346	31	Y	346		
2497	694	346	31	Y	346		
656	347	C-A5 -1138	3	Y	346.86		
35	38	1140	17	Y	347.47	344.424	347.472
2158	692	348	31	Y	348		
2498	694	348	31	Y	348		
2159	692	350	31	Y	350		
2499	694	350	31	Y	350		
2160	692	352	31	Y	352		
2500	694	352	31	Y	352		
3612	653	NBDNR-15(JanFord 6-1156')	38	Y	352.35		
2161	692	354	31	Y	354		
2501	694	354	31	Y	354		
454	332	ESC1-355	19	Y	355		
2162	692	356	31	Y	356		
2502	694	356	31	Y	356		
734	349	C-A7 -1174	3	Y	357.84		
2163	692	358	31	Y	358		
2503	694	358	31	Y	358		
3708	324	1080-1175'	21	Y	358.14	329.184	358.14
186	146	Middlesex#1 -350-360	21	Y	360	350	360
372	331	ICSC1 -360	25	Y	360		
2164	692	360	31	Y	360		
2504	694	360	31	Y	360		
2578	697	360	31	Y	360		
298	336	L390-36 - Arco St. Joseph 2 - Sa	26	Y	360.52	358.99	360.52
2165	692	362	31	Y	362		
2505	694	362	31	Y	362		
3634	402	9-1190ft	39	Y	362.71	359.66	362.71
658	347	C-A5 -1194	3	Y	363.93		
2166	692	364	31	Y	364		
2506	694	364	31	Y	364		

Depth_m	Calc_Elevatio	Group	Formation	Member
342	-325.27	Horton	Albert	Fredericks Bro
342	-273.59	Horton	Albert	Fredericks Bro
344	-327.27	Horton	Albert	Fredericks Bro
344	-275.59	Horton	Albert	Fredericks Bro
344.4	-189.56	Horton	Albert	
344.73	-245.47	Sussex	Weldon	
346	-329.27	Horton	Albert	Fredericks Bro
346	-277.59	Horton	Albert	Fredericks Bro
346.86	-232.56	Horton	Albert	Fredericks Bro
	-229.82	Horton	Albert	
348	-331.27	Horton	Albert	Fredericks Bro
348	-279.59	Horton	Albert	Fredericks Bro
350	-333.27	Horton	Albert	Fredericks Bro
350	-281.59	Horton	Albert	Fredericks Bro
352	-335.27	Horton	Albert	Fredericks Bro
352	-283.59	Horton	Albert	Fredericks Bro
352.3488	-270.05	Pictou	Minto	
354	-337.27	Horton	Albert	Fredericks Bro
354	-285.59	Horton	Albert	Fredericks Bro
355	-294.73	Horton	Albert	
356	-339.27	Horton	Albert	Fredericks Bro
356	-287.59	Horton	Albert	Fredericks Bro
357.84	-228.3	Horton	Albert	
358	-341.27	Horton	Albert	Fredericks Bro
358	-289.59	Horton	Albert	Fredericks Bro
	-278.59	Horton	Albert	
355	-296.24	Cumberland	Boss Point	
360	-273.53	Horton	Albert	
360	-343.27	Horton	Albert	Fredericks Bro
360	-291.59	Horton	Albert	Fredericks Bro
360	-351.65	Horton	Albert	Hiram Brook
360	-310.23	Horton	Albert	
362	-345.27	Horton	Albert	Fredericks Bro
362	-293.59	Horton	Albert	Fredericks Bro
	-348.38			
363.93	-249.63	Horton	Albert	Fredericks Bro
364	-347.27	Horton	Albert	Fredericks Bro
364	-295.59	Horton	Albert	Fredericks Bro

Sample_Description
brownish to brown grey Claystone, thick regular laminations, slightly offset an
grey to grey brown Dolomite, massive to thinly laminated, silty, sandy, laminat
brownish to brown grey Claystone, thick regular laminations, slightly offset an
brown to grey brown Dolomite very thinly laminated, highly contorted
Shale grey, NB, with odd VSB
grey Siltstone, slightly calcareous, locally brecciated with mudstone
brownish to brown grey Claystone, thick regular laminations, slightly offset an
grey brown to grey 95% Dolomite, thickly to thinly laminated, silty to sandy la
Dolomitic Marlstone, dark brown, microlaminated
Sh: green, calc, silty in pt.
brownish to light grey and dark grey Claystone, thickly to thinly silty laminated,
grey brown to grey 95% Dolomite, thickly to thinly laminated, silty to sandy la
brownish to light grey and dark grey Claystone, thickly to thinly silty laminated,
grey brown to grey 95% Dolomite, thickly to thinly laminated, silty to sandy la
brownish to light grey and dark grey Claystone, thickly to thinly silty laminated,
grey brown to grey 95% Dolomite, thickly to thinly laminated, silty to sandy la
grey Shale in grey Sandstone
brownish to light grey and dark grey Claystone, thickly to thinly silty laminated,
grey brown to grey Dolomite, thickly to very thinly laminated, silty laminations,
Dolomite light brown grey, hd, blocky trace dead oil stain
brownish to light grey and dark grey Claystone, thickly to thinly silty laminated,
grey brown to grey Dolomite, massive to thickly laminated, discontinuous kero
Shale and Sandstone with interbedded conglomerate, low to some oil content
brownish to light grey and dark grey Claystone, thickly to thinly silty laminated,
grey brown to grey Dolomite, thickly to very thinly laminated, laminations regu
Sandstone
Shale subplaty, part silty greenish grey, 35% grdg to marlstone
brownish to light grey and dark grey Claystone, thickly to thinly silty laminated,
grey brown to grey Dolomite, thickly to very thinly laminated, laminations regu
light grey and reddish brown Sandstone - Conglomerate mixed
Hackly fractured with micro laminated, dark brown grey, muddy silt, non calc
grey to dark grey and brownish grey Claystone, thickly laminated, silty calcare
grey brown to grey Dolomite, thickly to very thinly laminated, laminations regu
65% grey Siltstone, argillaceous to shaley, 25% grey Shale, 10% reddish bro
Dolomitic Marlstone, dark brown, microlaminated contorted
grey to dark grey and brownish grey Claystone, thickly laminated, silty calcare
grey brown Dolomite, massive, weakly kerogenous, sandy, trace discontinuo

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3611	608	NBDNR-14	38	Y	364.77		
2167	692	366	31	Y	366		
2507	694	366	31	Y	366		
2168	692	368	31	Y	368		
2508	694	368	31	Y	368		
152	99	Apohaqui 1 -368.8	4	Y	368.8		
2169	692	370	31	Y	370		
2509	694	370	31	Y	370		
2579	697	370	31	Y	370		
602	337	AB1 -1220	3	Y	371.86		
3704	99	1120-1220'	21	Y	371.86	341.376	371.856
153	99	Apohaqui 1 -371.9	4	Y	371.9		
2170	692	372	31	Y	372		
2510	694	372	31	Y	372		
2171	692	374	31	Y	374		
2511	694	374	31	Y	374		
172	145	Pollett River#1-1130-1230	21	Y	374.9	344.424	374.904
605	337	AB1 -1233	3	Y	375.82		
2172	692	376	31	Y	376		
2512	694	376	31	Y	376		
2173	692	378	31	Y	378		
2513	694	378	31	Y	378		
606	337	AB1 -1244	3	Y	379.17		
373	331	ICSC1 -380	25	Y	380		
2174	692	380	31	Y	380		
2514	694	380	31	Y	380		
2580	697	380	31	Y	380		
3713	325	1205-1250'	21	Y	381	367.284	381
159	99	L390-19 - Apohaqui1 - Sample 4	26	Y	381.1	375	381.1
2175	692	382	31	Y	382		
2515	694	382	31	Y	382		
2176	692	384	31	Y	384		
2516	694	384	31	Y	384		
3663	326	39-1260ft	39	Y	384.05	381	384.05
2177	692	386	31	Y	386		
2517	694	386	31	Y	386		
103	42	Urney #1 -1270	22	Y	387.1		
2178	692	388	31	Y	388		

Depth_m	Calc_Elevatio	Group	Formation	Member
364.7694	-296.19	Pictou	Clifton	
366	-349.27	Horton	Albert	Fredericks Bro
366	-297.59	Horton	Albert	Fredericks Bro
368	-351.27	Horton	Albert	Fredericks Bro
368	-299.59	Horton	Albert	Fredericks Bro
368.8	-213.96	Horton	Albert	
370	-353.27	Horton	Albert	Fredericks Bro
370	-301.59	Horton	Albert	Fredericks Bro
370	-361.65	Horton	Albert	Hiram Brook
371.86	-341.38	Horton	Albert	
	-217.02	Horton	Albert	
371.9	-217.06	Horton	Albert	
372	-355.27	Horton	Albert	Fredericks Bro
372	-303.59	Horton	Albert	Fredericks Bro
374	-357.27	Horton	Albert	Fredericks Bro
374	-305.59	Horton	Albert	Fredericks Bro
359.7	-324.61	Cumberland	Boss Point	
375.82	-345.34	Horton	Albert	
376	-359.27	Horton	Albert	Fredericks Bro
376	-307.59	Horton	Albert	Fredericks Bro
378	-361.27	Horton	Albert	Fredericks Bro
378	-309.59	Horton	Albert	Fredericks Bro
379.17	-348.69	Horton	Albert	
380	-293.53	Horton	Albert	
380	-363.27	Horton	Albert	Fredericks Bro
380	-311.59	Horton	Albert	Fredericks Bro
380	-371.65	Horton	Albert	Hiram Brook
	-376.73			
375	-226.26	Horton	Albert	
382	-365.27	Horton	Albert	Fredericks Bro
382	-313.59	Horton	Albert	Fredericks Bro
384	-367.27	Horton	Albert	Fredericks Bro
384	-315.59	Horton	Albert	Fredericks Bro
	-331.62	Horton	Albert	
386	-369.27	Horton	Albert	Fredericks Bro
386	-317.59	Horton	Albert	Fredericks Bro
387.1	-234.7	Horton	Albert	
388	-371.27	Horton	Albert	Fredericks Bro

Sample_Description
Transition Zone including soft grey Shale
grey to dark grey and brownish grey Claystone, thickly laminated, silty calcare
grey brown to brownish Dolomite, thickly to thinly laminated, silty
grey to dark grey and brownish grey Claystone, thickly laminated, silty calcare
grey brown to brownish Dolomite, thickly to thinly laminated, silty
Shale grey, NB, sandy
grey to dark grey and brownish grey Claystone, thickly laminated, silty calcare
brown grey to grey Dolomite, thickly to thinly laminated, regular, alternating sil
light grey and reddish brown Sandstone - Conglomerate mixed
Marlstone brown massive dolomite type, increasing laminae with depth
Shale grey, NB, sandy
grey to dark grey and brownish grey Claystone, thickly laminated, silty calcare
brown grey to light grey, 80% Sandstone thinly bedded, fine to medium graine
grey to dark grey and brownish grey Claystone, thickly laminated, silty calcare
grey to light grey Claystone, dolomitic, thickly to thinly laminated, regular, alter
Shale green and reddish brown dense to silty with interbeds of Ss and slst
Marlstone brown massive dolomite type, sandy, decreasing laminae
dark grey to grey and brownish Dolomite, thickly to thinly laminated, regular la
grey to light grey Claystone, dolomitic, thickly to thinly laminated, regular, alter
dark grey to grey and brownish Dolomite, thickly to thinly laminated, regular la
grey brown to brownish Dolomite, thickly to very thinly laminated, locally mass
Marlstone brown, laminated, subfissile, smokes not easily burn
Shale subblocky, very fine bitumen specks
dark grey to grey and brownish Dolomite, thickly to thinly laminated, regular la
grey brown to brownish Dolomite, thickly to very thinly laminated, locally mass
light grey and reddish brown Sandstone - Conglomerate mixed
90% dark grey - 10% medium grey, silty shale with v.f.g. sandstone, very slig
dark grey to grey and brownish Dolomite, thickly to thinly laminated, regular la
grey brown to brownish Dolomite, thickly to very thinly laminated, locally mass
dark grey to grey and brownish Dolomite, thickly to thinly laminated, regular la
grey brown to brownish Dolomite, massive to thinly laminated, sandy, laminati
75% Shale grey calcareous, 25% Anhydrite in veins
brownish to brown grey Dolomite, thinly to very thinly laminated, laminations 2
grey brown to brownish Dolomite, massive to thinly laminated, sandy, laminati
Sandstone grey fine grained
dark grey to grey Claystone, thickly to thinly laminated, regular laminations a

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2518	694	388	31	Y	388		
2179	692	390	31	Y	390		
2519	694	390	31	Y	390		
2581	697	390	31	Y	390		
2180	692	392	31	Y	392		
2520	694	392	31	Y	392		
2582	697	392	31	Y	392		
21	38	McLeod Brook 1 -393.19	25	Y	393.2	390.1	393.2
2181	692	394	31	Y	394		
2521	694	394	31	Y	394		
2583	697	394	31	Y	394		
189	146	C-401234	24	Y	395	390	395
2182	692	396	31	Y	396		
2522	694	396	31	Y	396		
2584	697	396	31	Y	396		
155	99	Apohaqui 1 -396.2	4	Y	396.2		
3607	326	NBDNR-11	38	Y	396.24	384.05	396.24
2183	692	398	31	Y	398		
2523	694	398	31	Y	398		
2585	697	398	31	Y	398		
659	347	C-A5 -1312	3	Y	399.9		
374	331	ICSC1 -400	25	Y	400		
2184	692	400	31	Y	400		
2524	694	400	31	Y	400		
2586	697	400	31	Y	400		
2185	692	402	31	Y	402		
2525	694	402	31	Y	402		
2587	697	402	31	Y	402		
281	335	L390-27 - Arco St. Joseph 1 - Sa	26	Y	402.44	400.15	402.44
2186	692	404	31	Y	404		
2526	694	404	31	Y	404		
2588	697	404	31	Y	404		
187	146	Middlesex#1 -390-405	21	Y	405	390	405
2187	692	406	31	Y	406		
2527	694	406	31	Y	406		
2589	697	406	31	Y	406		
2188	692	408	31	Y	408		
2528	694	408	31	Y	408		

Depth_m	Calc_Elevatio	Group	Formation	Member
388	-319.59	Horton	Albert	Fredericks Bro
390	-373.27	Horton	Albert	Fredericks Bro
390	-321.59	Horton	Albert	Fredericks Bro
390	-381.65	Horton	Albert	Hiram Brook
392	-375.27	Horton	Albert	Fredericks Bro
392	-323.59	Horton	Albert	Fredericks Bro
392	-383.65	Horton	Albert	Hiram Brook
393.19	-275.55	Horton	Albert	
394	-377.27	Horton	Albert	Fredericks Bro
394	-325.59	Horton	Albert	Fredericks Bro
394	-385.65	Horton	Albert	Hiram Brook
	-331.24	Cumberland	Boss Point	
396	-379.27	Horton	Albert	Fredericks Bro
396	-327.59	Horton	Albert	Fredericks Bro
396	-387.65	Horton	Albert	Hiram Brook
396.2	-241.36	Horton	Memramcook	
	-343.81	Horton	Albert	
398	-381.27	Horton	Albert	Fredericks Bro
398	-329.59	Horton	Albert	Fredericks Bro
398	-389.65	Horton	Albert	Hiram Brook
399.9	-285.6	Horton	Albert	Fredericks Bro
400	-313.53	Horton	Albert	
400	-383.27	Horton	Albert	Fredericks Bro
400	-331.59	Horton	Albert	Fredericks Bro
400	-391.65	Horton	Albert	Hiram Brook
402	-385.27	Horton	Albert	Fredericks Bro
402	-333.59	Horton	Albert	Fredericks Bro
402	-393.65	Horton	Albert	Hiram Brook
401	-356.72	Horton	Albert	
404	-387.27	Horton	Albert	Fredericks Bro
404	-335.59	Horton	Albert	Fredericks Bro
404	-395.65	Horton	Albert	Hiram Brook
387.5	-341.24	Cumberland	Boss Point	
406	-389.27	Horton	Albert	Fredericks Bro
406	-337.59	Horton	Albert	Fredericks Bro
406	-397.65	Horton	Albert	Hiram Brook
408	-391.27	Horton	Albert	Fredericks Bro
408	-339.59	Horton	Albert	Fredericks Bro

Sample_Description
brown to grey brown Dolomite, thickly to very thinly laminated, silty, regular, tr
dark grey to grey Claystone, thickly to thinly laminated, regular laminations a
70% grey brown to grey Dolomite, thickly to thinly laminated, silty, irregular, s
mixture of Sandstone, Conglomerate, silty Claystone, Claystone and kerogen
dark grey to grey Claystone, thickly to thinly laminated, regular laminations a
70% grey brown to grey Dolomite, thickly to thinly laminated, silty, irregular, s
grey to brown grey Dolomite, moderately kerogenous
Sh & Ss: grey - dark grey fine to medium grained, qtz, fr por?il/albertite, fractu
dark grey to grey Claystone, thickly to thinly laminated, regular laminations a
70% grey brown to grey Dolomite, thickly to thinly laminated, silty, irregular, s
grey to light grey mixed 70% Sandstone, 15% Siltstone and 15% silty Claysto
Boss Point or Salisbury Formation
dark grey to grey Claystone, thickly to thinly laminated, regular laminations a
70% grey brown to grey Dolomite, thickly to thinly laminated, silty, irregular, s
grey to light grey mixed 70% Sandstone, 15% Siltstone and 15% silty Claysto
Sandstone grey to light grey, fine grained
95% grey Shale, 5% Anhydrite
dark brown to dark brown grey Dolomite highly contorted, locally regular lamin
70% grey brown to grey Dolomite, thickly to thinly laminated, silty, irregular, s
grey to light grey mixed 70% Sandstone, 15% Siltstone and 15% silty Claysto
Dolomitic Marlstone, dark medium brown, indistinct microlaminated
Shale light to medium grey, trace organic specks
dark brown to dark brownish grey Claystone, calcareous, massive, indistinct t
70% grey brown to grey Dolomite, thickly to thinly laminated, silty, irregular, s
grey to light grey mixed 70% Sandstone, 15% Siltstone and 15% silty Claysto
calcareous/dolomitic, thickly - thinly laminated, sitly claystone, 2% sandy lami
brown grey to brownish Dolomite, massive to thickly and thinly laminated, silty
dark grey to brownish grey Dolomite, weakly kerogenous
Hackly fractured with minor shearing, dark grey, clay siltstone to silty clay, no
grey to light grey Claystone, thick to thin laminated, locally sandy interbeds +/-
brown grey to brownish Dolomite, massive to thickly and thinly laminated, silty
dark grey to brownish grey Dolomite, weakly kerogenous
Shale medium grey, very micro-micaceous
grey to light grey Claystone, thick to thin laminated, locally sandy interbeds +/-
brown grey to brownish Dolomite, massive to thickly and thinly laminated, silty
dark grey to brownish grey Dolomite, weakly kerogenous
grey to light grey Claystone, thick to thin laminated, locally sandy interbeds +/-
brown grey to brownish Dolomite, massive to thickly and thinly laminated, silty

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
2590	697	408	31	Y	408		
735	349	C-A7 -1342	3	Y	409.04		
2189	692	410	31	Y	410		
2529	694	410	31	Y	410		
2591	697	410	31	Y	410		
2190	692	412	31	Y	412		
2530	694	412	31	Y	412		
2592	697	412	31	Y	412		
2191	692	414	31	Y	414		
2531	694	414	31	Y	414		
2593	697	414	31	Y	414		
662	347	C-A5 -1360	3	Y	414.53		
561	346	C-A4 -1362	3	Y	415.14		
2192	692	416	31	Y	416		
2532	694	416	31	Y	416		
2594	697	416	31	Y	416		
2193	692	418	31	Y	418		
2533	694	418	31	Y	418		
2595	697	418	31	Y	418		
375	331	ICSC1 -420	25	Y	420		
2194	692	420	31	Y	420		
2534	694	420	31	Y	420		
2596	697	420	31	Y	420		
2195	692	422	31	Y	422		
2535	694	422	31	Y	422		
2597	697	422	31	Y	422		
173	145	PR1-1390	19	Y	423.67		
2196	692	424	31	Y	424		
2536	694	424	31	Y	424		
2598	697	424	31	Y	424		
3729	299	1367-1396'	21	Y	425.5	416.6616	425.501
2197	692	426	31	Y	426		
2537	694	426	31	Y	426		
2599	697	426	31	Y	426		
3700	42	1300-1400'	21	Y	426.72	396.24	426.72
2198	692	428	31	Y	428		
2538	694	428	31	Y	428		
2600	697	428	31	Y	428		

Depth_m	Calc_Elevatio	Group	Formation	Member
408	-399.65	Horton	Albert	Hiram Brook
409.04	-279.5	Horton	Albert	
410	-393.27	Horton	Albert	Fredericks Bro
410	-341.59	Horton	Albert	Fredericks Bro
410	-401.65	Horton	Albert	Hiram Brook
412	-395.27	Horton	Albert	Fredericks Bro
412	-343.59	Horton	Albert	Fredericks Bro
412	-403.65	Horton	Albert	Hiram Brook
414	-397.27	Horton	Albert	Fredericks Bro
414	-345.59	Horton	Albert	Fredericks Bro
414	-405.65	Horton	Albert	Hiram Brook
414.53	-300.23	Horton	Albert	Fredericks Bro
415.14	-311.51	Horton	Albert	
416	-399.27	Horton	Albert	Fredericks Bro
416	-347.59	Horton	Albert	Fredericks Bro
416	-407.65	Horton	Albert	Hiram Brook
418	-401.27	Horton	Albert	Fredericks Bro
418	-349.59	Horton	Albert	Fredericks Bro
418	-409.65	Horton	Albert	Hiram Brook
420	-333.53	Horton	Albert	
420	-403.27	Horton	Albert	Fredericks Bro
420	-351.59	Horton	Albert	Fredericks Bro
420	-411.65	Horton	Albert	Hiram Brook
422	-405.27	Horton	Albert	Fredericks Bro
422	-353.59	Horton	Albert	Fredericks Bro
422	-413.65	Horton	Albert	Hiram Brook
423.67	-373.38	Cumberland	Boss Point	
424	-407.27	Horton	Albert	Fredericks Bro
424	-355.59	Horton	Albert	Fredericks Bro
424	-415.65	Horton	Albert	Hiram Brook
	-309.68			
426	-409.27	Horton	Albert	Fredericks Bro
426	-357.59	Horton	Albert	Fredericks Bro
426	-417.65	Horton	Albert	Hiram Brook
	-274.32	Horton	Albert	
428	-411.27	Horton	Albert	Fredericks Bro
428	-359.59	Horton	Albert	Fredericks Bro
428	-419.65	Horton	Albert	Hiram Brook

Sample_Description
dark grey to brownish grey Dolomite, weakly kerogenous
Sandstone and Siltstone interbedded with conglomerate and shale
grey to light grey Claystone, thick to thin laminated, locally sandy interbeds +/-
brown grey to brownish Dolomite, massive to thickly and thinly laminated, silty
light to dark grey and brownish 85% Claystone, moderately kerogenous, 15%
grey to light grey Claystone, thick to thin laminated, locally sandy interbeds +/-
brown grey to brownish Dolomite, massive to thickly and thinly laminated, silty
light to dark grey and brownish 85% Claystone, moderately kerogenous, 15%
grey to light grey Claystone, thick to thin laminated, locally sandy interbeds +/-
brown grey to brownish Dolomite, massive to thickly and thinly laminated, silty
60% greyto light grey Sandstone, calcareous, cross bedded, 40% dark grey C
Dolomitic Marlstone, dark medium brown, microlaminated
Shale light to medium grey, grades to dolomitic marlstone, 805 fissile
grey to light grey Claystone, thick to thin laminated, locally sandy interbeds +/-
brown grey to brownish Dolomite, massive to thickly and thinly laminated, silty
60% greyto light grey Sandstone, calcareous, cross bedded, 40% dark grey C
grey to brownish grey Claystone, dolomitic/silty laminated, locally massive wit
brown grey to grey 90% Sandstone, interbedded dolomitic medium to coarse
60% greyto light grey Sandstone, calcareous, cross bedded, 40% dark grey C
Shale light to medium grey, dcr bitumen laminae, trace organic specks
light grey to brownish grey Claystone, thickly laminated, alternate sandy-silty
brown grey to grey 90% Sandstone, interbedded dolomitic medium to coarse
60% greyto light grey Sandstone, calcareous, cross bedded, 40% dark grey C
brownish to greyish brown Claystone, dolomitic, thickly laminated, indistinct re
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
dark grey to grey and brownish grey Claystone, dolomitic, locally weakly dolo
60% medium dark grey noncalc slst -> silty mdst, 39% buff to light grey very fi
brownish to greyish brown Claystone, dolomitic, thickly laminated, indistinct re
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
dark grey to grey and brownish grey Claystone, dolomitic, locally weakly dolo
Shale thin beds of Glauberite
light grey to brownish grey Claystone, very thinly bedded to thickly laminated
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
dark grey to grey and brownish grey Claystone, dolomitic, locally weakly dolo
light grey brown Claystone, massive to thickly laminated dolomitic claystone, i
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
brownish grey to grey brown Dolomite, highly kerogenous sections

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3527	346	1403-1408	37	Y	429.16	427.63	429.16
2199	692	430	31	Y	430		
2539	694	430	31	Y	430		
2601	697	430	31	Y	430		
3528	346	1408-1413	37	Y	430.68	429.16	430.68
562	346	C-A4 -1414	3	Y	430.99		
563	346	C-A4 -1417	3	Y	431.9		
2200	692	432	31	Y	432		
2540	694	432	31	Y	432		
2602	697	432	31	Y	432		
3529	346	1413-1418	37	Y	432.21	430.68	432.21
609	337	AB1 -1421	3	Y	433.12		
3530	346	1418-1423	37	Y	433.73	432.21	433.73
2201	692	434	31	Y	434		
2541	694	434	31	Y	434		
2603	697	434	31	Y	434		
3655	279	31-1426ft	39	Y	434.65	432.21	434.65
376	331	ICSC1 -435	25	Y	435		
3531	346	1423-1428	37	Y	435.25	433.73	435.25
2202	692	436	31	Y	436		
2542	694	436	31	Y	436		
2604	697	436	31	Y	436		
362	331	ICSC1 -436.75	25	Y	436.75		
3532	346	1428-1433	37	Y	436.78	435.25	436.78
2203	692	438	31	Y	438		
2543	694	438	31	Y	438		
2605	697	438	31	Y	438		
3533	346	1433-1438	37	Y	438.3	436.78	438.3
22	38	McLeod Brook 1 -438.91	25	Y	438.91		
3534	346	1438-1443	37	Y	439.83	438.3	439.83
2204	692	440	31	Y	440		
2544	694	440	31	Y	440		
2606	697	440	31	Y	440		
3535	346	1443-1448	37	Y	441.35	439.83	441.35
848	353	L390-12 - C-R1-Sample 2	26	Y	441.46	441.31	441.46
2205	692	442	31	Y	442		
2545	694	442	31	Y	442		
2607	697	442	31	Y	442		

Depth_m	Calc_Elevatio	Group	Formation	Member
429.16	-325.53	Horton	Albert	
430	-413.27	Horton	Albert	Fredericks Bro
430	-361.59	Horton	Albert	Fredericks Bro
430	-421.65	Horton	Albert	Hiram Brook
430.68	-327.05	Horton	Albert	
430.99	-327.36	Horton	Albert	
431.9	-328.27	Horton	Albert	
432	-415.27	Horton	Albert	Fredericks Bro
432	-363.59	Horton	Albert	Fredericks Bro
432	-423.65	Horton	Albert	Hiram Brook
432.21	-328.58	Horton	Albert	
433.12	-402.64	Horton	Albert	
433.73	-330.1	Horton	Albert	
434	-417.27	Horton	Albert	Fredericks Bro
434	-365.59	Horton	Albert	Fredericks Bro
434	-425.65	Horton	Albert	Hiram Brook
	-315.47			
435	-348.53	Horton	Albert	
435.25	-331.62	Horton	Albert	
436	-419.27	Horton	Albert	Fredericks Bro
436	-367.59	Horton	Albert	Fredericks Bro
436	-427.65	Horton	Albert	Hiram Brook
436.75	-350.28	Horton	Albert	
436.78	-333.15	Horton	Albert	
438	-421.27	Horton	Albert	Fredericks Bro
438	-369.59	Horton	Albert	Fredericks Bro
438	-429.65	Horton	Albert	Hiram Brook
438.3	-334.67	Horton	Albert	
438.91	-321.26	Horton	Albert	
439.83	-336.2	Horton	Albert	
440	-423.27	Horton	Albert	Fredericks Bro
440	-371.59	Horton	Albert	Fredericks Bro
440	-431.65	Horton	Albert	Hiram Brook
441.35	-337.72	Horton	Albert	
441.4	-212.86	Horton	Albert	
442	-425.27	Horton	Albert	Fredericks Bro
442	-373.59	Horton	Albert	Fredericks Bro
442	-433.65	Horton	Albert	Hiram Brook

Sample_Description
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
light grey brown Claystone, massive to thickly laminated dolomitic claystone, i
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
brownish grey to grey brown Dolomite, highly kerogenous sections
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
light grey to grey Siltstone/Sandstone, thickly laminated, locally silty claystone
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
light grey to grey Sandstone, medium grained cross bedded
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
Dolomitic Marlstone, brown, laminated varved, massive, continous kerogen la
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
light grey to grey 60% Claystone, dolomitic-calcareous, interbedded claystone
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
light grey to grey Sandstone, medium grained cross bedded
black grey Shale with Anhydrite
Shale light to medium grey, minor grading to marlstone
Dolomitic Marlstone, dark brown, microlaminated, oil bearing, sandstone layer
light grey to grey 60% Claystone, dolomitic-calcareous, interbedded claystone
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
grey to grey brown Dolomite increasingly kerogenous
Shale, minor grdg to marlstone
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
light grey to grey 60% Claystone, dolomitic-calcareous, interbedded claystone
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
grey to grey brown Dolomite increasingly kerogenous
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
Sh: grey green calcareous, mica
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
60% Sandstone, poorly sorted, 10% dark grey to grey Siltstone, blocky, 30%
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
Shale micro parallel laminations, brownish dark grey, clay with silty lamination
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
60% Sandstone, poorly sorted, 10% dark grey to grey Siltstone, blocky, 30%

General_Note	Sample_Type	Palynology
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See Also Reference 13		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
736	349	C-A7 -1451	3	Y	442.26		
3536	346	1448-1453	37	Y	442.87	441.35	442.87
610	337	AB1 -1454	3	Y	443.18		
2206	692	444	31	Y	444		
2546	694	444	31	Y	444		
2608	697	444	31	Y	444		
3537	346	1453-1458	37	Y	444.4	442.87	444.4
564	346	C-A4 -1463	3	Y	445.92		
3538	346	1458-1463	37	Y	445.92	444.4	445.92
2207	692	446	31	Y	446		
2547	694	446	31	Y	446		
2609	697	446	31	Y	446		
664	347	C-A5 -1467	3	Y	447.14		
3539	346	1463-1468	37	Y	447.45	445.92	447.45
2208	692	448	31	Y	448		
2548	694	448	31	Y	448		
2610	697	448	31	Y	448		
3540	346	1468-1473	37	Y	448.97	447.45	448.97
2209	692	450	31	Y	450		
2549	694	450	31	Y	450		
2611	697	450	31	Y	450		
3081	698	450	31	Y	450		
3541	346	1473-1478	37	Y	450.49	448.97	450.49
565	346	C-A4 -1479	3	Y	450.8		
3656	279	32-1481ft	39	Y	451.41	449.88	451.41
2210	692	452	31	Y	452		
2550	694	452	31	Y	452		
2612	697	452	31	Y	452		
3542	346	1478-1483	37	Y	452.02	450.49	452.02
3543	346	1483-1488	37	Y	453.54	452.02	453.54
2211	692	454	31	Y	454		
2551	694	454	31	Y	454		
2613	697	454	31	Y	454		
455	332	ICESC1-455	25	Y	455		
3544	346	1488-1493	37	Y	455.07	453.54	455.07
2212	692	456	31	Y	456		
2552	694	456	31	Y	456		
2614	697	456	31	Y	456		

Depth_m	Calc_Elevatio	Group	Formation	Member
442.26	-312.72	Horton	Albert	
442.87	-339.24	Horton	Albert	
443.18	-412.7	Horton	Albert	
444	-427.27	Horton	Albert	Fredericks Bro
444	-375.59	Horton	Albert	Fredericks Bro
444	-435.65	Horton	Albert	Hiram Brook
444.4	-340.77	Horton	Albert	
445.92	-342.29	Horton	Albert	
445.92	-342.29	Horton	Albert	
446	-429.27	Horton	Albert	Fredericks Bro
446	-377.59	Horton	Albert	Fredericks Bro
446	-437.65	Horton	Albert	Hiram Brook
447.14	-332.84	Horton	Albert	Fredericks Bro
447.45	-343.82	Horton	Albert	
448	-431.27	Horton	Albert	Fredericks Bro
448	-379.59	Horton	Albert	Fredericks Bro
448	-439.65	Horton	Albert	Hiram Brook
448.97	-345.34	Horton	Albert	
450	-433.27	Horton	Albert	Fredericks Bro
450	-381.59	Horton	Albert	Fredericks Bro
450	-441.65	Horton	Albert	Hiram Brook
450	-343.64	Sussex	Hillsborough	
450.49	-346.86	Horton	Albert	
450.8	-347.17	Horton	Albert	
	-332.23			
452	-435.27	Horton	Albert	Fredericks Bro
452	-383.59	Horton	Albert	Fredericks Bro
452	-443.65	Horton	Albert	Hiram Brook
452.02	-348.39	Horton	Albert	
453.54	-349.91	Horton	Albert	
454	-437.27	Horton	Albert	Fredericks Bro
454	-385.59	Horton	Albert	Fredericks Bro
454	-445.65	Horton	Albert	Fredericks Bro
455	-394.73	Horton	Albert	
455.07	-351.44	Horton	Albert	
456	-439.27	Horton	Albert	Fredericks Bro
456	-387.59	Horton	Albert	Fredericks Bro
456	-447.65	Horton	Albert	Fredericks Bro

Sample_Description
Dolomitic Marlstone, brown, indistinct laminae
Dolomitic Marlstone, dark brown, microlaminated, oil bearing
Marlstone dolomitic brown, very finely laminated to varved, not fissile
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
60% Sandstone, poorly sorted, 10% dark grey to grey Siltstone, blocky, 30%
Dolomitic Marlstone, dark brown, microlaminated
Sandstone calcareous, medium grained, dense
Sandstone calcareous, medium grained
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
60% Sandstone, poorly sorted, 10% dark grey to grey Siltstone, blocky, 30%
Dolomitic Marlstone, dark medium brown, microlaminated
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
60% Sandstone, poorly sorted, 10% dark grey to grey Siltstone, blocky, 30%
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
60% Sandstone, poorly sorted, 10% dark grey to grey Siltstone, blocky, 30%
reddish brown Conglomerate
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom, o
Dolomitic Marlstone, dark brown, contorted bedding, sulphur rich zones
grey to black gray Shale or Silt abundant Anhydrite Glauberite and Salt
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
60% Sandstone, poorly sorted, 10% dark grey to grey Siltstone, blocky, 30%
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey brown to grey Claystone, thickly to thinly laminated, silty, calcareous, reg
60% Sandstone, poorly sorted, 10% dark grey to grey Siltstone, blocky, 30%
Shale light grey moderated hd, platy-blocky, trace carbonaceous matter
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey Claystone calcareous, thinly laminated, regular, very thin rythmic alternat
brown grey to grey brown Dolomite, weak to moderately kerogenous

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
566	346	C-A4 -1497	3	Y	456.29		
3545	346	1493-1498	37	Y	456.59	455.07	456.59
37	38	1500	17	Y	457.2	454.152	457.2
2213	692	458	31	Y	458		
2553	694	458	31	Y	458		
2615	697	458	31	Y	458		
3546	346	1498-1503	37	Y	458.11	456.59	458.11
3547	346	1503-1508	37	Y	459.64	458.11	459.64
378	331	ICSC1 -460	25	Y	460		
2214	692	460	31	Y	460		
2554	694	460	31	Y	460		
2616	697	460	31	Y	460		
2863	41	Sample Bag # 1520ft	35	Y	460		
3082	698	460	31	Y	460		
3548	346	1508-1513	37	Y	461.16	459.64	461.16
2215	692	462	31	Y	462		
2555	694	462	31	Y	462		
2617	697	462	31	Y	462		
3549	346	1513-1518	37	Y	462.69	461.16	462.69
2216	692	464	31	Y	464		
2556	694	464	31	Y	464		
2618	697	464	31	Y	464		
3550	346	1518-1523	37	Y	464.21	462.69	464.21
567	346	C-A4 -1527	3	Y	465.43		
3551	346	1523-1528	37	Y	465.73	464.21	465.73
2217	692	466	31	Y	466		
2557	694	466	31	Y	466		
2619	697	466	31	Y	466		
3552	346	1528-1533	37	Y	467.26	465.73	467.26
2218	692	468	31	Y	468		
2558	694	468	31	Y	468		
2620	697	468	31	Y	468		
3553	346	1533-1538	37	Y	468.78	467.26	468.78
2219	692	470	31	Y	470		
2559	694	470	31	Y	470		
2621	697	470	31	Y	470		
3083	698	470	31	Y	470		
3554	346	1538-1543	37	Y	470.31	468.78	470.31

Depth_m	Calc_Elevatio	Group	Formation	Member
456.29	-352.66	Horton	Albert	
456.59	-352.96	Horton	Albert	
	-339.55	Horton	Albert	
458	-441.27	Horton	Albert	Fredericks Bro
458	-389.59	Horton	Albert	Fredericks Bro
458	-449.65	Horton	Albert	Fredericks Bro
458.11	-354.48	Horton	Albert	
459.64	-356.01	Horton	Albert	
460	-373.53	Horton	Albert	
460	-443.27	Horton	Albert	Fredericks Bro
460	-391.59	Horton	Albert	Fredericks Bro
460	-451.65	Horton	Albert	Fredericks Bro
460	-339.61	Sussex	Weldon	Undivided
460	-353.64	Sussex	Hillsborough	
461.16	-357.53	Horton	Albert	
462	-445.27	Horton	Albert	Fredericks Bro
462	-393.59	Horton	Albert	Fredericks Bro
462	-453.65	Horton	Albert	Fredericks Bro
462.69	-359.06	Horton	Albert	
464	-447.27	Horton	Albert	Fredericks Bro
464	-395.59	Horton	Albert	Fredericks Bro
464	-455.65	Horton	Albert	Fredericks Bro
464.21	-360.58	Horton	Albert	
465.43	-361.8	Horton	Albert	
465.73	-362.1	Horton	Albert	
466	-449.27	Horton	Albert	Fredericks Bro
466	-397.59	Horton	Albert	Fredericks Bro
466	-457.65	Horton	Albert	Fredericks Bro
467.26	-363.63	Horton	Albert	
468	-451.27	Horton	Albert	Dawson Settle
468	-399.59	Horton	Albert	Fredericks Bro
468	-459.65	Horton	Albert	Fredericks Bro
468.78	-365.15	Horton	Albert	
470	-453.27	Horton	Albert	Dawson Settle
470	-401.59	Horton	Albert	Fredericks Bro
470	-461.65	Horton	Albert	Fredericks Bro
470	-363.64	Sussex	Hillsborough	
470.31	-366.68	Horton	Albert	

Sample_Description
Dolomitic Marlstone, dark brown, contorted bedding, sulphur rich zones
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
Ss: bf, coarse grained, quartz & cht, exc por
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey Claystone calcareous, thinly laminated, regular, very thin rythmic alternat
brown grey to grey brown Dolomite, weak to moderately kerogenous
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
Shale medium greenish, waxy, Dolomitic shale siltstone
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey Claystone calcareous, thinly laminated, regular, very thin rythmic alternat
brown grey to grey brown Dolomite, weak to moderately kerogenous
Shale reddish brown to grey, silty grading to siltstone, minor sandstone
dark reddish brown Claystone
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey Claystone calcareous, thinly laminated, regular, very thin rythmic alternat
grey to brownish grey Claystone
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey Claystone calcareous, thinly laminated, regular, very thin rythmic alternat
grey to brownish grey Claystone
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
Dolomitic Marlstone, dark brown, contorted bedding, sulphur rich zones
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom, b
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey Claystone calcareous, thinly laminated, regular, very thin rythmic alternat
grey to brownish grey Claystone
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
grey to green grey 50% Claystone massive to very thinly bedded, locally inter
grey Claystone calcareous, thinly laminated, regular, very thin rythmic alternat
grey to brownish grey Claystone
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
light brown to grey Claystone, dolomitic, massive to thickly laminated, laminati
grey to dark grey and grey brown Claystone, thickly to thinly bedded, calcareo
grey to brownish grey Claystone
reddish brown 50% Mudstone, 50% Conglomerate
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom,

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3555	346	1543-1548	37	Y	471.83	470.31	471.83
2220	692	472	31	Y	472		
2560	694	472	31	Y	472		
2622	697	472	31	Y	472		
2916	695	472	31	Y	472		
3556	346	1548-1553	37	Y	473.35	471.83	473.35
2221	692	474	31	Y	474		
2561	694	474	31	Y	474		
2623	697	474	31	Y	474		
2917	695	474	31	Y	474		
568	346	C-A4 -1558	3	Y	474.88		
3557	346	1553-1558	37	Y	474.88	473.35	474.88
612	337	AB1 -1560	3	Y	475.49		
2222	692	476	31	Y	476		
2624	697	476	31	Y	476		
2562	694	476	31	Y	476		
2918	695	476	31	Y	476		
569	346	C-A4 -1563	3	Y	476.4		
3558	346	1558-1563	37	Y	476.4	474.88	476.4
3559	346	1563-1568	37	Y	477.93	476.4	477.93
2223	692	478	31	Y	478		
2625	697	478	31	Y	478		
2563	694	478	31	Y	478		
2919	695	478	31	Y	478		
3560	346	1568-1573	37	Y	479.45	477.93	479.45
379	331	ICSC1 -480	25	Y	480		
2224	692	480	31	Y	480		
2626	697	480	31	Y	480		
2564	694	480	31	Y	480		
2920	695	480	31	Y	480		
3084	698	480	31	Y	480		
3561	346	1573-1578	37	Y	480.97	479.45	480.97
614	337	AB1 -1579	3	Y	481.28		
2225	692	482	31	Y	482		
2627	697	482	31	Y	482		
2565	694	482	31	Y	482		
2921	695	482	31	Y	482		
3562	346	1578-1583	37	Y	482.5	480.97	482.5

Depth_m	Calc_Elevatio	Group	Formation	Member
471.83	-368.2	Horton	Albert	
472	-455.27	Horton	Albert	Dawson Settle
472	-403.59	Horton	Albert	Dawson Settle
472	-463.65	Horton	Albert	Fredericks Bro
472	-380.16	Horton	Albert	Hiram Brook
473.35	-369.72	Horton	Albert	
474	-457.27	Horton	Albert	Dawson Settle
474	-405.59	Horton	Albert	Dawson Settle
474	-465.65	Horton	Albert	Fredericks Bro
474	-382.16	Horton	Albert	Hiram Brook
474.88	-371.25	Horton	Albert	
474.88	-371.25	Horton	Albert	
475.49	-445.01	Horton	Albert	
476	-459.27	Horton	Albert	Dawson Settle
476	-467.65	Horton	Albert	Fredericks Bro
476	-407.59	Horton	Albert	Dawson Settle
476	-384.16	Horton	Albert	Hiram Brook
476.4	-372.77	Horton	Albert	
476.4	-372.77	Horton	Albert	
477.93	-374.3	Horton	Albert	
478	-461.27	Horton	Albert	Dawson Settle
478	-469.65	Horton	Albert	Fredericks Bro
478	-409.59	Horton	Albert	Dawson Settle
478	-386.16	Horton	Albert	Hiram Brook
479.45	-375.82	Horton	Albert	
480	-393.53	Horton	Albert	
480	-463.27	Horton	Albert	Dawson Settle
480	-471.65	Horton	Albert	Fredericks Bro
480	-411.59	Horton	Albert	Dawson Settle
480	-388.16	Horton	Albert	Hiram Brook
480	-373.64	Horton	Albert	Hiram Brook
480.97	-377.34	Horton	Albert	
481.28	-450.8	Horton	Albert	
482	-465.27	Horton	Albert	Dawson Settle
482	-473.65	Horton	Albert	Fredericks Bro
482	-413.59	Horton	Albert	Dawson Settle
482	-390.16	Horton	Albert	Hiram Brook
482.5	-378.87	Horton	Albert	

Sample_Description
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
grey to brown grey Dolomite, thickly laminated, regular laminations +/-5 mm t
light grey to grey Sandstone massive to very thinly bedded coarse grained to f
grey to brown grey Claystone
grey Conglomerate, coarse grained matrix, angular clasts 0.5-5cm, locally gre
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
brown to brown grey Dolomite, thickly to thinly laminated kerogenous, laminati
light grey to grey Sandstone massive to very thinly bedded coarse grained to f
dark grey to grey Claystone
grey Conglomerate, coarse grained matrix, angular clasts 0.5-5cm, locally gre
Dolomitic Marlstone, dark brown, contorted bedding, sulphur rich zones
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
Sandy Dolomite grading to varved marlstone, sandy and conglomerate zones
brown to brown grey Dolomite, thickly to thinly laminated kerogenous, laminati
brown grey to brownish Dolomite, weakly kerogenous, locally moderate, local
light grey to grey Sandstone massive to very thinly bedded coarse grained to f
grey Conglomerate, coarse grained matrix, angular clasts 0.5-5cm, locally gre
Dolomitic Marlstone, dark brown, contorted bedding, sulphur rich zones
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
Dolomitic Marlstone, dark brown, microlaminated, contorted
brown to brown grey Dolomite, thickly to thinly laminated kerogenous, laminati
brown grey to brownish Dolomite, weakly kerogenous, locally moderate, local
light grey to grey Sandstone massive to very thinly bedded coarse grained to f
grey Conglomerate, coarse grained matrix, angular clasts 0.5-5cm, locally gre
Dolomitic Marlstone, dark brown, microlaminated, contorted
Sandstone fine grained to medium grainded, light brown stain, Shale subbloc
brown to brown grey Dolomite, thick to thin laminated kerogenous, lamination
brown grey to brownish Dolomite, weakly kerogenous, locally moderate, local
dark grey to grey brown Claystone thickly to thinly bedded, calcareous-dolomi
grey Conglomerate, coarse grained matrix, angular clasts 0.5-5cm, locally gre
medium grey Sandstone
Dolomitic Marlstone, dark brown, microlaminated, contorted
Marlstone contorted varves
brown to brown grey Dolomite, thick to thin laminated kerogenous, lamination
70% grey Sandstone, local oil seeping from matrix, 5% grey Siltstone, dolomit
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey Conglomerate, fine grained matrix, angular clasts 0.5-5cm, locally green/
Dolomitic Marlstone, dark brown, microlaminated, contorted

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2226	692	484	31	Y	484		
2628	697	484	31	Y	484		
2566	694	484	31	Y	484		
2922	695	484	31	Y	484		
3563	346	1583-1588	37	Y	484.02	482.5	484.02
570	346	C-A4 -1590	3	Y	484.63		
3564	346	1588-1593	37	Y	485.55	484.02	485.55
2227	692	486	31	Y	486		
2629	697	486	31	Y	486		
2567	694	486	31	Y	486		
2923	695	486	31	Y	486		
3565	346	1593-1598	37	Y	487.07	485.55	487.07
667	347	C-A5 -1600	3	Y	487.68		
2228	692	488	31	Y	488		
2630	697	488	31	Y	488		
2568	694	488	31	Y	488		
2924	695	488	31	Y	488		
3566	346	1598-1603	37	Y	488.59	487.07	488.59
2229	692	490	31	Y	490		
2631	697	490	31	Y	490		
2569	694	490	31	Y	490		
2925	695	490	31	Y	490		
3085	698	490	31	Y	490		
3567	346	1603-1608	37	Y	490.12	488.59	490.12
3636	627	11-1610ft	39	Y	490.73	475.49	490.73
3657	279	33-1612ft	39	Y	491.34	490.42	491.34
3568	346	1608-1613	37	Y	491.64	490.12	491.64
2632	697	492	31	Y	492		
2230	692	492	31	Y	492		
2570	694	492	31	Y	492		
2926	695	492	31	Y	492		
3569	346	1613-1618	37	Y	493.17	491.64	493.17
3595	40	NBDNR-04	38	Y	493.78	484.632	493.776
2633	697	494	31	Y	494		
2231	692	494	31	Y	494		
2571	694	494	31	Y	494		
2927	695	494	31	Y	494		
3570	346	1618-1623	37	Y	494.69	493.17	494.69

Depth_m	Calc_Elevatio	Group	Formation	Member
484	-467.27	Horton	Albert	Dawson Settle
484	-475.65	Horton	Albert	Fredericks Bro
484	-415.59	Horton	Albert	Dawson Settle
484	-392.16	Horton	Albert	Hiram Brook
484.02	-380.39	Horton	Albert	
484.63	-381	Horton	Albert	
485.55	-381.92	Horton	Albert	
486	-469.27	Horton	Albert	Dawson Settle
486	-477.65	Horton	Albert	Fredericks Bro
486	-417.59	Horton	Albert	Dawson Settle
486	-394.16	Horton	Albert	Hiram Brook
487.07	-383.44	Horton	Albert	
487.68	-373.38	Horton	Albert	Fredericks Bro
488	-471.27	Horton	Albert	Dawson Settle
488	-479.65	Horton	Albert	Fredericks Bro
488	-419.59	Horton	Albert	Dawson Settle
488	-396.16	Horton	Albert	Hiram Brook
488.59	-384.96	Horton	Albert	
490	-473.27	Horton	Albert	Dawson Settle
490	-481.65	Horton	Albert	Fredericks Bro
490	-421.59	Horton	Albert	Dawson Settle
490	-398.16	Horton	Albert	Hiram Brook
490	-383.64	Horton	Albert	Hiram Brook
490.12	-386.49	Horton	Albert	
	-428.25	Pictou	Clifton	
	-372.16	Sussex		
491.64	-388.01	Horton	Albert	
492	-483.65	Horton	Albert	Fredericks Bro
492	-475.27	Horton	Albert	Dawson Settle
492	-423.59	Horton	Albert	Dawson Settle
492	-400.16	Horton	Albert	Hiram Brook
493.17	-389.54	Horton	Albert	
	-198.12	Windsor	Macumber	
494	-485.65	Horton	Albert	Fredericks Bro
494	-477.27	Horton	Albert	Dawson Settle
494	-425.59	Horton	Albert	Dawson Settle
494	-402.16	Horton	Albert	Hiram Brook
494.69	-391.06	Horton	Albert	

Sample_Description
brown to brown grey Dolomite, thick to thin laminated kerogenous, lamination
70% grey Sandstone, local oil seeping from matrix, 5% grey Siltstone, dolomit
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey Conglomerate, fine grained matrix, angular clasts 0.5-5cm, locally green/
Dolomitic Marlstone, dark brown, microlaminated, contorted
Dolomitic Marlstone, dark brown, microlaminated, contorted
Dolomitic Marlstone, dark brown, microlaminated, sandy
brown to brown grey Dolomite, thick to thin laminated kerogenous, lamination
70% grey Sandstone, local oil seeping from matrix, 5% grey Siltstone, dolomit
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey Conglomerate, fine grained matrix, angular clasts 0.5-5cm, locally green/
Dolomitic Marlstone, dark brown, microlaminated, contorted
Dolomitic Marlstone, dark medium brown, microlaminated
brown to brown grey Dolomite, thick to thin laminated kerogenous, lamination
90% grey Claystone, dolomitic, 10% light grey Sandstone
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey Conglomerate, fine grained matrix, angular clasts 0.5-5cm, locally green/
Dolomitic Marlstone, dark brown, microlaminated, contorted
grey to dark grey Claystone, calcareous, thickly to thinly laminated, lamination
90% grey Claystone, dolomitic, 10% light grey Sandstone
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey Conglomerate, fine grained matrix, angular clasts 0.5-5cm, locally green/
70% grey green Claystone, 30% grey Sandstone
Dolomitic Marlstone, dark brown, microlaminated, contorted
Sandstone green grey and yellow grey
black grey Shale with Anhydrite
Dolomitic Marlstone, dark brown, microlaminated, contorted
90% grey Claystone, dolomitic, 10% light grey Sandstone
dark grey to black Claystone, calcareous, thickly to thinly laminated, laminatio
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey brown Claystone, calcareous veinlets, thin to thick laminations, irregular,
Dolomitic Marlstone, dark brown, microlaminated, contorted, sulphur bloom
brownish greenish grey Limestone, 5% pyrite
brown grey to brownish Dolomite, weakly to moderately kerogenous
dark grey to black Claystone, calcareous, thickly to thinly laminated, laminatio
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey brown Claystone, calcareous veinlets, thin to thick laminations, irregular,
Dolomitic Marlstone, dark brown, microlaminated, contorted

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
456	332	ESC1-495	19	Y	495		
571	346	C-A4 -1626	3	Y	495.6		
2634	697	496	31	Y	496		
2232	692	496	31	Y	496		
2572	694	496	31	Y	496		
2928	695	496	31	Y	496		
3571	346	1623-1628	37	Y	496.21	494.69	496.21
3572	346	1628-1633	37	Y	497.74	496.21	497.74
2635	697	498	31	Y	498		
2233	692	498	31	Y	498		
2573	694	498	31	Y	498		
2929	695	498	31	Y	498		
3573	346	1633-1638	37	Y	499.26	497.74	499.26
380	331	ICSC1 -500	25	Y	500		
2636	697	500	31	Y	500		
2234	692	500	31	Y	500		
2574	694	500	31	Y	500		
2930	695	500	31	Y	500		
3086	698	500	31	Y	500		
3574	346	1638-1643	37	Y	500.79	499.26	500.79
2637	697	502	31	Y	502		
2235	692	502	31	Y	502		
2575	694	502	31	Y	502		
2931	695	502	31	Y	502		
572	346	C-A4 -1648	3	Y	502.31		
3575	346	1643-1648	37	Y	502.31	500.79	502.31
174	145	PR1-1650	19	Y	502.92		
3576	346	1648-1653	37	Y	503.83	502.31	503.83
2638	697	504	31	Y	504		
2236	692	504	31	Y	504		
2576	694	504	31	Y	504		
2932	695	504	31	Y	504		
670	347	C-A5 -1654	3	Y	504.14		
3577	346	1653-1658	37	Y	505.36	503.83	505.36
2639	697	506	31	Y	506		
2577	694	506	31	Y	506		
2933	695	506	31	Y	506		
3578	346	1658-1663	37	Y	506.88	505.36	506.88

Depth_m	Calc_Elevatio	Group	Formation	Member
495	-434.73	Horton	Albert	
495.6	-391.97	Horton	Albert	
496	-487.65	Horton	Albert	Fredericks Bro
496	-479.27	Horton	Albert	Dawson Settle
496	-427.59	Horton	Albert	Dawson Settle
496	-404.16	Horton	Albert	Hiram Brook
496.21	-392.58	Horton	Albert	
497.74	-394.11	Horton	Albert	
498	-489.65	Horton	Albert	Fredericks Bro
498	-481.27	Horton	Albert	Dawson Settle
498	-429.59	Horton	Albert	Dawson Settle
498	-406.16	Horton	Albert	Hiram Brook
499.26	-395.63	Horton	Albert	
500	-413.53	Horton	Albert	
500	-491.65	Horton	Albert	Fredericks Bro
500	-483.27	Horton	Albert	Dawson Settle
500	-431.59	Horton	Albert	Dawson Settle
500	-408.16	Horton	Albert	Hiram Brook
500	-393.64	Horton	Albert	Hiram Brook
500.79	-397.16	Horton	Albert	
502	-493.65	Horton	Albert	Fredericks Bro
502	-485.27	Horton	Albert	Dawson Settle
502	-433.59	Horton	Albert	Dawson Settle
502	-410.16	Horton	Albert	Hiram Brook
502.31	-398.68	Horton	Albert	
502.31	-398.68	Horton	Albert	
502.92	-452.63	Mabou	Shepody	
503.83	-400.2	Horton	Albert	
504	-495.65	Horton	Albert	Fredericks Bro
504	-487.27	Horton	Albert	Dawson Settle
504	-435.59	Horton	Albert	Dawson Settle
504	-412.16	Horton	Albert	Hiram Brook
504.14	-389.84	Horton	Albert	Fredericks Bro
505.36	-401.73	Horton	Albert	
506	-497.65	Horton	Albert	Fredericks Bro
506	-437.59	Horton	Albert	Dawson Settle
506	-414.16	Horton	Albert	Hiram Brook
506.88	-403.25	Horton	Albert	

Sample_Description
Sandstone light brown, moderate hd, friable, blocky, very fine to fine grained, l
Dolomitic Marlstone, dark brown, microlaminated, highly contorted, sulphur bl
brown grey to brownish Dolomite, weakly to moderately kerogenous
grey to dark grey Claystone, dolomitic, thick-thin laminated, laminations regul
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey brown Claystone, calcareous veinlets, thin to thick laminations, irregular,
Dolomitic Marlstone, dark brown, microlaminated, contorted, minor oil content
Dolomitic Marlstone, dark brown, microlaminated, contorted, minor oil content
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey to dark grey Claystone, dolomitic, thick-thin laminated, laminations regul
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey brown Claystone, calcareous veinlets, thin to thick laminations, irregular,
Dolomitic Marlstone, dark brown, microlaminated, contorted
Shale darker, platy, trace organic and pyrite, Sandstone 5%, very fine grained
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey to dark grey Claystone, dolomitic, thick-thin laminated, laminations regul
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey brown Claystone, calcareous veinlets, thin to thick laminations, irregular,
dark grey brown Dolomite, minor pyrite
Dolomitic Marlstone, dark brown, microlaminated
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey to dark grey Claystone, dolomitic, thick-thin laminated, laminations regul
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey brown Claystone, calcareous veinlets, thin to thick laminations, irregular,
Dolomitic Marlstone, dark brown, microlaminated
Dolomitic Marlstone, dark brown, microlaminated
30% medium dark grey noncalc slst -> mdst, 20% reddish to browinsh grey sl
Sandstone, medium grained to quartz conglomerate
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
light grey to grey 90% Sandstone very thinly bedded, very amber seep from m
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey brown Claystone, calcareous veinlets, thin to thick laminations, irregular,
Dolomitic Marlstone, dark medium brown, microlaminated
Sandstone, medium grained to quartz conglomerate
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
light grey to dark grey 70% Sandstone fine to coarse grained, massive, locally
grey Sandstone, medium to coarse grained, calcarous
Shale dark to medium grey and brown

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
299	336	L390-37 - Arco St. Joseph 2 - Sa	26	Y	507.62	505.34	507.62
2640	697	508	31	Y	508		
2934	695	508	31	Y	508		
3579	346	1663-1668	37	Y	508.41	506.88	508.41
3580	346	1668-1673	37	Y	509.93	508.41	509.93
2641	697	510	31	Y	510		
2935	695	510	31	Y	510		
3087	698	510	31	Y	510		
3581	346	1673-1678	37	Y	511.45	509.93	511.45
2642	697	512	31	Y	512		
2936	695	512	31	Y	512		
837	353	C-R1 -1682	3	Y	512.67		
3582	346	1678-1683	37	Y	512.98	511.45	512.98
2643	697	514	31	Y	514		
2937	695	514	31	Y	514		
849	353	L390-13 - C-R1-Sample 3	26	Y	514.23	514.13	514.23
3583	346	1683-1688	37	Y	514.5	512.98	514.5
2644	697	516	31	Y	516		
2938	695	516	31	Y	516		
3584	346	1688-1693	37	Y	516.03	514.5	516.03
573	346	C-A4 -1698	3	Y	517.55		
3585	346	1693-1698	37	Y	517.55	516.03	517.55
2645	697	518	31	Y	518		
2939	695	518	31	Y	518		
3658	279	34-1700ft	39	Y	518.16	516.64	518.16
3586	346	1698-1703	37	Y	519.07	517.55	519.07
381	331	ICSC1 -520	25	Y	520		
2646	697	520	31	Y	520		
2940	695	520	31	Y	520		
3088	698	520	31	Y	520		
3587	346	1703-1708	37	Y	520.6	519.07	520.6
2647	697	522	31	Y	522		
2941	695	522	31	Y	522		
2648	697	524	31	Y	524		
2942	695	524	31	Y	524		
2649	697	526	31	Y	526		
2943	695	526	31	Y	526		
2650	697	528	31	Y	528		

Depth_m	Calc_Elevatio	Group	Formation	Member
506	-457.33	Horton	Albert	
508	-499.65	Horton	Albert	Fredericks Bro
508	-416.16	Horton	Albert	Hiram Brook
508.41	-404.78	Horton	Albert	
509.93	-406.3	Horton	Albert	
510	-501.65	Horton	Albert	Fredericks Bro
510	-418.16	Horton	Albert	Hiram Brook
510	-403.64	Horton	Albert	Hiram Brook
511.45	-407.82	Horton	Albert	
512	-503.65	Horton	Albert	Fredericks Bro
512	-420.16	Horton	Albert	Hiram Brook
512.67	-284.07	Horton	Albert	
512.98	-409.35	Horton	Albert	
514	-505.65	Horton	Albert	Fredericks Bro
514	-422.16	Horton	Albert	Hiram Brook
514.2	-285.63	Horton	Albert	
514.5	-410.87	Horton	Albert	
516	-507.65	Horton	Albert	Fredericks Bro
516	-424.16	Horton	Albert	Hiram Brook
516.03	-412.4	Horton	Albert	
517.55	-413.92	Horton	Albert	
517.55	-413.92	Horton	Albert	
518	-509.65	Horton	Albert	Fredericks Bro
518	-426.16	Horton	Albert	Hiram Brook
	-398.98	Horton	Albert	
519.07	-415.44	Horton	Albert	
520	-433.53	Horton	Albert	
520	-511.65	Horton	Albert	Fredericks Bro
520	-428.16	Horton	Albert	Hiram Brook
520	-413.64	Horton	Albert	Hiram Brook
520.6	-416.97	Horton	Albert	
522	-513.65	Horton	Albert	Fredericks Bro
522	-430.16	Horton	Albert	Hiram Brook
524	-515.65	Horton	Albert	Fredericks Bro
524	-432.16	Horton	Albert	Hiram Brook
526	-517.65	Horton	Albert	Fredericks Bro
526	-434.16	Horton	Albert	Hiram Brook
528	-519.65	Horton	Albert	Fredericks Bro

Sample_Description
Waxy shale with hackly muddy siltstone, grey brown to black, clay with muddy
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey Claystone calcareous, pyrite inclusions
Shale dark to medium grey and brown
Shale dark to medium grey and brown
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey Claystone calcareous, pyrite inclusions, trace grey brown to brown grey
85% grey Conglomerate, 15% grey green Claystone
Shale dark to medium grey and brown
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey Claystone calcareous, pyrite inclusions, trace grey brown to brown grey
Siltstone, light brownish-grey, laminated bedding, argillaceous, trace wood de
Shale dark to medium grey and brown
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey Claystone calcareous, pyrite inclusions, trace grey brown to brown grey
Marlstone - Micro laminiated slumped, light grey, light brown and dark brown l
Shale dark to medium grey and brown
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey Claystone calcareous, pyrite inclusions
Shale dark to medium grey and brown
Shale dark to medium grey brown.
Shale dark to medium grey and brown
grey to brownish grey Claystone dolomitic, trace kerogenous laminations
grey Claystone calcareous, pyrite inclusions
black grey Shale
Shale dark to medium grey and brown
Shale dark grey, partly brownish, trace orgainic laminae
dark grey to brownish Dolomite, locally kerogenous zones
grey Claystone calcareous, pyrite inclusions
60% grey Sandstone, 40% grey green Claystone
Shale dark to medium grey and brown
dark grey to brownish Dolomite, locally kerogenous zones
grey Claystone calcareous, pyrite inclusions
dark grey to brownish Dolomite, locally kerogenous zones
grey Claystone calcareous, pyrite inclusions
grey to brownish grey Claystone dolomitic, trace oil seeping from fractures
grey to brown grey 98% Claystone thin to thickly laminated, trace kerogenous
grey to brownish grey Claystone dolomitic, trace oil seeping from fractures

General_Note	Sample_Type	Palynology
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Sample is unsuitable for Bulk Density Analysi		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2944	695	528	31	Y	528		
2651	697	530	31	Y	530		
2945	695	530	31	Y	530		
3089	698	530	31	Y	530		
2652	697	532	31	Y	532		
2946	695	532	31	Y	532		
3090	698	532	31	Y	532		
2653	697	534	31	Y	534		
2947	695	534	31	Y	534		
3091	698	534	31	Y	534		
675	347	C-A5 -1756	3	Y	535.23		
2654	697	536	31	Y	536		
2948	695	536	31	Y	536		
3092	698	536	31	Y	536		
2655	697	538	31	Y	538		
2949	695	538	31	Y	538		
3093	698	538	31	Y	538		
382	331	ICSC1 -540	25	Y	540		
457	332	ICESC1-540	25	Y	540		
2656	697	540	31	Y	540		
2950	695	540	31	Y	540		
3094	698	540	31	Y	540		
2657	697	542	31	Y	542		
2951	695	542	31	Y	542		
3095	698	542	31	Y	542		
2658	697	544	31	Y	544		
2952	695	544	31	Y	544		
3096	698	544	31	Y	544		
3609	505	NBDNR-13	38	Y	544.07	539.496	544.068
2659	697	546	31	Y	546		
2953	695	546	31	Y	546		
3097	698	546	31	Y	546		
2660	697	548	31	Y	548		
2954	695	548	31	Y	548		
3098	698	548	31	Y	548		
2661	697	550	31	Y	550		
2955	695	550	31	Y	550		
3099	698	550	31	Y	550		

Depth_m	Calc_Elevatio	Group	Formation	Member
528	-436.16	Horton	Albert	Hiram Brook
530	-521.65	Horton	Albert	Fredericks Bro
530	-438.16	Horton	Albert	Hiram Brook
530	-423.64	Horton	Albert	Hiram Brook
532	-523.65	Horton	Albert	Fredericks Bro
532	-440.16	Horton	Albert	Hiram Brook
532	-425.64	Horton	Albert	Hiram Brook
534	-525.65	Horton	Albert	Fredericks Bro
534	-442.16	Horton	Albert	Fredericks Bro
534	-427.64	Horton	Albert	Hiram Brook
535.23	-420.93	Horton	Albert	Fredericks Bro
536	-527.65	Horton	Albert	Fredericks Bro
536	-444.16	Horton	Albert	Fredericks Bro
536	-429.64	Horton	Albert	Hiram Brook
538	-529.65	Horton	Albert	Fredericks Bro
538	-446.16	Horton	Albert	Fredericks Bro
538	-431.64	Horton	Albert	Hiram Brook
540	-453.53	Horton	Albert	
540	-479.73	Horton	Albert	
540	-531.65	Horton	Albert	Fredericks Bro
540	-448.16	Horton	Albert	Fredericks Bro
540	-433.64	Horton	Albert	Hiram Brook
542	-533.65	Horton	Albert	Fredericks Bro
542	-450.16	Horton	Albert	Fredericks Bro
542	-435.64	Horton	Albert	Hiram Brook
544	-535.65	Horton	Albert	Fredericks Bro
544	-452.16	Horton	Albert	Fredericks Bro
544	-437.64	Horton	Albert	Hiram Brook
	-460.25	Pictou	Richibucto	
546	-537.65	Horton	Albert	Fredericks Bro
546	-454.16	Horton	Albert	Fredericks Bro
546	-439.64	Horton	Albert	Hiram Brook
548	-539.65	Horton	Albert	Fredericks Bro
548	-456.16	Horton	Albert	Fredericks Bro
548	-441.64	Horton	Albert	Hiram Brook
550	-541.65	Horton	Albert	Fredericks Bro
550	-458.16	Horton	Albert	Fredericks Bro
550	-443.64	Horton	Albert	Hiram Brook

Sample_Description
grey to brown grey 98% Claystone thin to thickly laminated, trace kerogenous
grey to brownish grey Claystone dolomitic, trace oil seeping from fractures
grey to brown grey 98% Claystone thin to thickly laminated, trace kerogenous
light grey Sandstone
grey to brownish grey Claystone dolomitic, trace oil seeping from fractures
grey to brown grey 98% Claystone thin to thickly laminated, trace kerogenous
70% grey Sandstone, coarse grained, weeping, 25% grey Conglomerate, wee
dark grey to brownish Dolomite, some kerogenous zones
grey to brown grey 98% Claystone thin to thickly laminated, trace kerogenous
70% grey Sandstone, coarse grained, weeping, 25% grey Conglomerate, wee
Dolomitic Marlstone, dark medium brown, microlaminated
dark grey to brownish Dolomite, some kerogenous zones
grey to brown grey Claystone calcareous massive
70% grey Sandstone, coarse grained, weeping, 25% grey Conglomerate, wee
dark grey to brownish Dolomite, some kerogenous zones
brown grey Dolomite thin to thickly laminated
70% grey Sandstone, coarse grained, weeping, 25% grey Conglomerate, wee
Shale medium to dark grey, partly brownish
Sandstone light grey, occassionally light brown, friable, very fine to fine graine
grey to grey brown Dolomite, dolomitic locally kerogenous laminations
brown grey to grey brown Claystone calcareous, massive, locally thin laminati
70% grey Sandstone, coarse grained, weeping, 25% grey Conglomerate, wee
grey to grey brown Dolomite, dolomitic locally kerogenous laminations
brown grey to grey brown Dolomite, thick to thinly laminated, irregular, locally
70% grey Sandstone, coarse grained, weeping, 25% grey Conglomerate, wee
grey brown Claystone, dolomitic
brown grey to grey brown Dolomite, thick to thinly laminated, irregular, locally
70% grey Sandstone, coarse grained, weeping, 25% grey Conglomerate, wee
dark grey Shale
brown grey Dolomite, some kerogenous laminations
brown grey to grey brown Dolomite, thick to thinly laminated, irregular, locally
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
brown grey Dolomite, some kerogenous laminations
brown grey to grey brown Dolomite, thick to thinly laminated, irregular, locally
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
brown grey Dolomite, some kerogenous laminations
brown grey to grey brown Dolomite, thick to thinly laminated, irregular, locally
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
616	337	AB1 -1809	3	Y	551.38		
2662	697	552	31	Y	552		
2956	695	552	31	Y	552		
3100	698	552	31	Y	552		
2663	697	554	31	Y	554		
2957	695	554	31	Y	554		
3101	698	554	31	Y	554		
38	38	1820	17	Y	554.74	551.688	554.736
2664	697	556	31	Y	556		
2958	695	556	31	Y	556		
3102	698	556	31	Y	556		
3730	299	1775-1826'	21	Y	556.56	541.02	556.565
2665	697	558	31	Y	558		
2959	695	558	31	Y	558		
3103	698	558	31	Y	558		
383	331	ICSC1 -560	25	Y	560		
458	332	ICESC1-560	25	Y	560		
2666	697	560	31	Y	560		
2960	695	560	31	Y	560		
3104	698	560	31	Y	560		
3613	701	NBDNR-37	38	Y	560		
3659	279	35-1839ft	39	Y	560.53	559.61	560.53
282	335	L390-28 - Arco St. Joseph 1 - Sa	26	Y	561.74	559.45	561.74
2667	697	562	31	Y	562		
2961	695	562	31	Y	562		
3105	698	562	31	Y	562		
2668	697	564	31	Y	564		
2962	695	564	31	Y	564		
3106	698	564	31	Y	564		
2669	697	566	31	Y	566		
2963	695	566	31	Y	566		
3107	698	566	31	Y	566		
2670	697	568	31	Y	568		
2964	695	568	31	Y	568		
3108	698	568	31	Y	568		
2671	697	570	31	Y	570		
2965	695	570	31	Y	570		
3109	698	570	31	Y	570		

Depth_m	Calc_Elevatio	Group	Formation	Member
551.38	-520.9	Horton	Albert	
552	-543.65	Horton	Albert	Fredericks Bro
552	-460.16	Horton	Albert	Fredericks Bro
552	-445.64	Horton	Albert	Hiram Brook
554	-545.65	Horton	Albert	Fredericks Bro
554	-462.16	Horton	Albert	Fredericks Bro
554	-447.64	Horton	Albert	Hiram Brook
	-437.09	Horton	Albert	
556	-547.65	Horton	Albert	Fredericks Bro
556	-464.16	Horton	Albert	Fredericks Bro
556	-449.64	Horton	Albert	Hiram Brook
	-440.74			
558	-549.65	Horton	Albert	Fredericks Bro
558	-466.16	Horton	Albert	Fredericks Bro
558	-451.64	Horton	Albert	Hiram Brook
560	-473.53	Horton	Albert	
560	-499.73	Horton	Albert	
560	-551.65	Horton	Albert	Fredericks Bro
560	-468.16	Horton	Albert	Fredericks Bro
560	-453.64	Horton	Albert	Hiram Brook
560	-348.2	Windsor	Gays River	
	-441.35			
561	-516.02	Horton	Albert	
562	-553.65	Horton	Albert	Fredericks Bro
562	-470.16	Horton	Albert	Fredericks Bro
562	-455.64	Horton	Albert	Hiram Brook
564	-555.65	Horton	Albert	Fredericks Bro
564	-472.16	Horton	Albert	Fredericks Bro
564	-457.64	Horton	Albert	Hiram Brook
566	-557.65	Horton	Albert	Fredericks Bro
566	-474.16	Horton	Albert	Fredericks Bro
566	-459.64	Horton	Albert	Hiram Brook
568	-559.65	Horton	Albert	Fredericks Bro
568	-476.16	Horton	Albert	Fredericks Bro
568	-461.64	Horton	Albert	Hiram Brook
570	-561.65	Horton	Albert	Fredericks Bro
570	-478.16	Horton	Albert	Fredericks Bro
570	-463.64	Horton	Albert	Hiram Brook

Sample_Description
Marlstone brown, poor to fair varving, sandstone laminae and lenses
grey brown to brownish Dolomite, moderately kerogenous laminations
99% brown grey to brown Claystone calcareous, thickly laminated, locally con
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
grey to brown grey Dolomite locally kerogenous lamination zones
99% brown grey to brown Claystone calcareous, thickly laminated, locally con
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
Ss: very fine - coarse grained, quartz & vcol cht pbls, por lined / albertite
grey to brown grey Dolomite locally kerogenous lamination zones
99% brown grey to brown Claystone calcareous, thickly laminated, locally con
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
grey Shale, thin sandstone beds
grey to brown grey Dolomite locally kerogenous lamination zones
99% brown grey to brown Claystone calcareous, thickly laminated, locally con
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
Shale dark grey subblocky, 25% brown dolomitic, trace bitumen, organic spec
Shale medium dark grey, moderate hd, platy - blocky, trace carbonaceous m
grey to brown grey Dolomite locally kerogenous lamination zones
99% brown grey to brown Claystone calcareous, thickly laminated, locally con
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
light grey Limestone
black grey Shale
Hackly fractured parallel laminated, medium dark grey, silt, very slightly calcar
grey to brown grey Dolomite locally kerogenous lamination zones
99% brown grey to brown Claystone calcareous, thickly laminated, locally con
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
grey to brown grey Dolomite locally kerogenous lamination zones
brown grey to grey brown Dolomite, soft sediment deformation, massive with
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
grey to brown grey Dolomite locally kerogenous lamination zones
brown grey to grey Claystone sheared, crumbly and blocky, laminations irregu
dark grey to black, 95% Claystone, 5% Sandstone interbedded
grey to light grey 95% Claystone, 5% Sandstone medium grained with heavy
brown grey to grey Claystone sheared, crumbly and blocky, laminations irregu
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
grey to light grey 95% Claystone, 5% Sandstone medium grained with heavy
brown grey to grey Claystone sheared, crumbly and blocky, laminations irregu
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter

General_Note	Sample_Type	Palynology
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No isolated kerogen; only three vitrinite grain		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
2672	697	572	31	Y	572		
2966	695	572	31	Y	572		
3110	698	572	31	Y	572		
2673	697	574	31	Y	574		
2967	695	574	31	Y	574		
3111	698	574	31	Y	574		
2674	697	576	31	Y	576		
2968	695	576	31	Y	576		
3112	698	576	31	Y	576		
39	38	1890	17	Y	576.07	573.024	576.072
2675	697	578	31	Y	578		
2969	695	578	31	Y	578		
3113	698	578	31	Y	578		
384	331	ICSC1 -580	25	Y	580		
459	332	ICESC1-580	25	Y	580		
2676	697	580	31	Y	580		
2970	695	580	31	Y	580		
3114	698	580	31	Y	580		
2677	697	582	31	Y	582		
2971	695	582	31	Y	582		
3115	698	582	31	Y	582		
3709	324	1840-1915'	21	Y	583.69	560.832	583.692
3718	190	1854-1915'	21	Y	583.69	565.0992	583.692
2678	697	584	31	Y	584		
2972	695	584	31	Y	584		
3116	698	584	31	Y	584		
2679	697	586	31	Y	586		
2973	695	586	31	Y	586		
3117	698	586	31	Y	586		
2680	697	588	31	Y	588		
2974	695	588	31	Y	588		
3118	698	588	31	Y	588		
2681	697	590	31	Y	590		
2975	695	590	31	Y	590		
3119	698	590	31	Y	590		
680	347	C-A5 -1941	3	Y	591.62		
2682	697	592	31	Y	592		
2976	695	592	31	Y	592		

Depth_m	Calc_Elevatio	Group	Formation	Member
572	-563.65	Horton	Albert	Fredericks Bro
572	-480.16	Horton	Albert	Fredericks Bro
572	-465.64	Horton	Albert	Hiram Brook
574	-565.65	Horton	Albert	Fredericks Bro
574	-482.16	Horton	Albert	Fredericks Bro
574	-467.64	Horton	Albert	Hiram Brook
576	-567.65	Horton	Albert	Fredericks Bro
576	-484.16	Horton	Albert	Fredericks Bro
576	-469.64	Horton	Albert	Hiram Brook
	-458.42	Horton	Albert	
578	-569.65	Horton	Albert	Fredericks Bro
578	-486.16	Horton	Albert	Fredericks Bro
578	-471.64	Horton	Albert	Hiram Brook
580	-493.53	Horton	Albert	
580	-519.73	Horton	Albert	
580	-571.65	Horton	Albert	Fredericks Bro
580	-488.16	Horton	Albert	Fredericks Bro
580	-473.64	Horton	Albert	Hiram Brook
582	-573.65	Horton	Albert	Fredericks Bro
582	-490.16	Horton	Albert	Fredericks Bro
582	-475.64	Horton	Albert	Hiram Brook
	-504.14	Horton	Albert	
	-477.09			
584	-575.65	Horton	Albert	Fredericks Bro
584	-492.16	Horton	Albert	Fredericks Bro
584	-477.64	Horton	Albert	Hiram Brook
586	-577.65	Horton	Albert	Fredericks Bro
586	-494.16	Horton	Albert	Fredericks Bro
586	-479.64	Horton	Albert	Hiram Brook
588	-579.65	Horton	Albert	Fredericks Bro
588	-496.16	Horton	Albert	Fredericks Bro
588	-481.64	Horton	Albert	Hiram Brook
590	-581.65	Horton	Albert	Fredericks Bro
590	-498.16	Horton	Albert	Fredericks Bro
590	-483.64	Horton	Albert	Hiram Brook
591.62	-477.32	Horton	Albert	Fredericks Bro
592	-583.65	Horton	Albert	Fredericks Bro
592	-500.16	Horton	Albert	Fredericks Bro

Sample_Description
grey to light grey 95% Claystone, 5% Sandstone medium grained with heavy
brown grey to grey Claystone sheared, crumbly and blocky, laminations irregu
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
grey to brown grey Dolomite, trace kerogenous laminations
brown grey to grey Claystone sheared, crumbly and blocky, laminations irregu
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
75% brown grey to grey brown Dolomite, massive, 25% Dolomite interbeds u
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
Cgl: pred gr cht pebs with green, fine-coarse grained Ss, v arg, calc-sil cmt.
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
75% brown grey to grey brown Dolomite, massive, 25% Dolomite interbeds u
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
Shale dark slight bituminous laminae, Sandstone very fine grained to fine grai
Shale medium dark grey, moderate hd, platy - blocky, trace carbonaceous m
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
75% brown grey to grey brown Dolomite, massive, 25% Dolomite interbeds u
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
75% brown grey to grey brown Dolomite, massive, 25% Dolomite interbeds u
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
Shale, siltstone
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
75% brown grey to grey brown Dolomite, massive, 25% Dolomite interbeds u
dark grey to black, 95% Claystone, 5% grey Sandstone interbedded, local pyri
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
75% brown grey to grey brown Dolomite, massive, 25% Dolomite interbeds u
dark grey to black, 95% Claystone, 5% grey Sandstone interbedded, local pyri
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
75% brown grey to grey brown Dolomite, massive, 25% Dolomite interbeds u
dark grey to black, 95% Claystone, 5% grey Sandstone interbedded, local pyri
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
75% brown grey to grey brown Dolomite, massive, 25% Dolomite interbeds u
dark grey to black, 95% Claystone, 5% grey Sandstone interbedded, local pyri
Dolomitic Marlstone, dark medium brown, microlaminated
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
brown grey to grey brown Dolomite, thin to thickly laminated, regular

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3120	698	592	31	Y	592		
2683	697	594	31	Y	594		
2977	695	594	31	Y	594		
3121	698	594	31	Y	594		
2684	697	596	31	Y	596		
2978	695	596	31	Y	596		
3122	698	596	31	Y	596		
2685	697	598	31	Y	598		
2979	695	598	31	Y	598		
3123	698	598	31	Y	598		
681	347	C-A5 -1962	3	Y	598.02		
839	353	C-R1 -1962	3	Y	598.02		
363	331	ICSC1 -600	25	Y	600		
460	332	ICESC1-600	25	Y	600		
2686	697	600	31	Y	600		
2980	695	600	31	Y	600		
3124	698	600	31	Y	600		
2687	697	602	31	Y	602		
2981	695	602	31	Y	602		
3125	698	602	31	Y	602		
3628	54	2-1978ft	39	Y	602.89		
3621	708	NBDNR-23	38	Y	603		
840	353	C-R1 -1981	3	Y	603.81		
2688	697	604	31	Y	604		
2982	695	604	31	Y	604		
3126	698	604	31	Y	604		
2689	697	606	31	Y	606		
2983	695	606	31	Y	606		
3127	698	606	31	Y	606		
175	145	Pollett River#1-1890-1990	21	Y	606.55	576.072	606.552
682	347	C-A5 -1990	3	Y	606.55		
2690	697	608	31	Y	608		
2984	695	608	31	Y	608		
3128	698	608	31	Y	608		
461	332	ESC1-610	19	Y	610		
2691	697	610	31	Y	610		
2985	695	610	31	Y	610		
3129	698	610	31	Y	610		

Depth_m	Calc_Elevatio	Group	Formation	Member
592	-485.64	Horton	Albert	Hiram Brook
594	-585.65	Horton	Albert	Fredericks Bro
594	-502.16	Horton	Albert	Fredericks Bro
594	-487.64	Horton	Albert	Hiram Brook
596	-587.65	Horton	Albert	Fredericks Bro
596	-504.16	Horton	Albert	Fredericks Bro
596	-489.64	Horton	Albert	Hiram Brook
598	-589.65	Horton	Albert	Fredericks Bro
598	-506.16	Horton	Albert	Fredericks Bro
598	-491.64	Horton	Albert	Hiram Brook
598.02	-483.72	Horton	Albert	Fredericks Bro
598.02	-369.42	Horton	Albert	
600	-513.53	Horton	Albert	
600	-539.73	Horton	Albert	
600	-591.65	Horton	Albert	Fredericks Bro
600	-508.16	Horton	Albert	Fredericks Bro
600	-493.64	Horton	Albert	Hiram Brook
602	-593.65	Horton	Albert	Fredericks Bro
602	-510.16	Horton	Albert	Fredericks Bro
602	-495.64	Horton	Albert	Hiram Brook
602.89	-450.82	Windsor		
603	-530	Horton	Albert	
603.81	-375.21	Horton	Albert	
604	-595.65	Horton	Albert	Fredericks Bro
604	-512.16	Horton	Albert	Fredericks Bro
604	-497.64	Horton	Albert	Hiram Brook
606	-597.65	Horton	Albert	Fredericks Bro
606	-514.16	Horton	Albert	Fredericks Bro
606	-499.64	Horton	Albert	Hiram Brook
591.3	-556.26	Mabou	Shepody	
606.55	-492.25	Horton	Albert	Fredericks Bro
608	-599.65	Horton	Albert	Fredericks Bro
608	-516.16	Horton	Albert	Fredericks Bro
608	-501.64	Horton	Albert	Hiram Brook
610	-549.73	Horton	Albert	
610	-601.65	Horton	Albert	Fredericks Bro
610	-518.16	Horton	Albert	Fredericks Bro
610	-503.64	Horton	Albert	Hiram Brook

Sample_Description
dark grey to black, 95% Claystone, 5% grey Sandstone interbedded, local pyri
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
brown grey to grey brown Dolomite, thin to thickly laminated, regular
dark grey to black, 95% Claystone, 5% grey Sandstone interbedded, local pyri
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
brown grey to grey brown Dolomite, massive
dark grey to black, 95% Claystone, 5% grey Sandstone interbedded, local pyri
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
brown grey to grey brown Dolomite, massive
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
Dolomitic Marlstone, dark medium brown, microlaminated
Sandstone light grey, very fine grained, quartzose, very fine porosity saturate
Sandstone grey oil stained, thin beds of shale
Shale medium dark grey, moderate hd, platy - blocky, trace carbonaceous m
80% dark grey to grey brown Dolomite, 20% light grey Claystone locally weakl
grey brown to grey Claystone, massive to thinly laminated
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
dark grey to grey and brown grey Claystone, trace kerogenous laminations
brown grey Dolomite massive to thinly laminated, 2% soft sediment deformati
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
medium to dark grey intraformational Mud Clast Breccia, clasts well rounded
Dolomite
Marlstone dark greyish-brown, finely laminated, subfissile
dark grey to grey and brown grey Claystone, trace kerogenous laminations
brown grey Dolomite massive to thinly laminated, 2% soft sediment deformati
dark grey to dark grey green 50% Conglomerate, 20% Claystone, sandy inter
dark grey to grey and brown grey Claystone, trace kerogenous laminations
brown grey Dolomite massive to thinly laminated, 2% soft sediment deformati
90% dark grey Claystone, 10% grey Sandstone
Sandstone reddish brown trace grey
Dolomitic Marlstone, dark medium brown, microlaminated
dark grey to grey and brown grey Claystone, trace kerogenous laminations
brown grey Dolomite massive to thinly laminated, 2% soft sediment deformati
90% dark grey Claystone, 10% grey Sandstone
Shale medium dark grey, moderate hd, platy - blocky, trace carbonaceous m
dark grey to grey and brown grey Claystone, trace kerogenous laminations
brown grey to grey brown Dolomite soft sediment deformation, thinly laminate
90% dark grey Claystone, 10% grey Sandstone

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2692	697	612	31	Y	612		
2986	695	612	31	Y	612		
3130	698	612	31	Y	612		
841	353	C-R1 -2010 -Sample 4	3	Y	612.65	612.6	612.65
2693	697	614	31	Y	614		
2987	695	614	31	Y	614		
3131	698	614	31	Y	614		
2694	697	616	31	Y	616		
2988	695	616	31	Y	616		
3132	698	616	31	Y	616		
2695	697	618	31	Y	618		
2989	695	618	31	Y	618		
3133	698	618	31	Y	618		
104	42	Urney #1 -2030	22	Y	618.74		
387	331	ICSC1 -620	25	Y	620		
1811	332	ICESC1-620	25	Y	620		
2696	697	620	31	Y	620		
2990	695	620	31	Y	620		
3134	698	620	31	Y	620		
2697	697	622	31	Y	622		
2991	695	622	31	Y	622		
3135	698	622	31	Y	622		
2698	697	624	31	Y	624		
2992	695	624	31	Y	624		
3136	698	624	31	Y	624		
2699	697	626	31	Y	626		
2993	695	626	31	Y	626		
3137	698	626	31	Y	626		
2700	697	628	31	Y	628		
2994	695	628	31	Y	628		
3138	698	628	31	Y	628		
2701	697	630	31	Y	630		
2995	695	630	31	Y	630		
3139	698	630	31	Y	630		
2702	697	632	31	Y	632		
2996	695	632	31	Y	632		
3140	698	632	31	Y	632		
843	353	C-R1 -2075	3	Y	632.46		

Depth_m	Calc_Elevatio	Group	Formation	Member
612	-603.65	Horton	Albert	Fredericks Bro
612	-520.16	Horton	Albert	Fredericks Bro
612	-505.64	Horton	Albert	Hiram Brook
612.65	-384.05	Horton	Albert	
614	-605.65	Horton	Albert	Fredericks Bro
614	-522.16	Horton	Albert	Fredericks Bro
614	-507.64	Horton	Albert	Hiram Brook
616	-607.65	Horton	Albert	Fredericks Bro
616	-524.16	Horton	Albert	Fredericks Bro
616	-509.64	Horton	Albert	Hiram Brook
618	-609.65	Horton	Albert	Fredericks Bro
618	-526.16	Horton	Albert	Fredericks Bro
618	-511.64	Horton	Albert	Hiram Brook
618.74	-466.34	Horton	Albert	
620	-533.53	Horton	Albert	
620	-559.73	Horton	Albert	
620	-611.65	Horton	Albert	Fredericks Bro
620	-528.16	Horton	Albert	Fredericks Bro
620	-513.64	Horton	Albert	Hiram Brook
622	-613.65	Horton	Albert	Fredericks Bro
622	-530.16	Horton	Albert	Fredericks Bro
622	-515.64	Horton	Albert	Hiram Brook
624	-615.65	Horton	Albert	Fredericks Bro
624	-532.16	Horton	Albert	Fredericks Bro
624	-517.64	Horton	Albert	Hiram Brook
626	-617.65	Horton	Albert	Fredericks Bro
626	-534.16	Horton	Albert	Fredericks Bro
626	-519.64	Horton	Albert	Hiram Brook
628	-619.65	Horton	Albert	Fredericks Bro
628	-536.16	Horton	Albert	Fredericks Bro
628	-521.64	Horton	Albert	Hiram Brook
630	-621.65	Horton	Albert	Fredericks Bro
630	-538.16	Horton	Albert	Fredericks Bro
630	-523.64	Horton	Albert	Hiram Brook
632	-623.65	Horton	Albert	Fredericks Bro
632	-540.16	Horton	Albert	Fredericks Bro
632	-525.64	Horton	Albert	Hiram Brook
632.46	-403.86	Horton	Albert	

Sample_Description
dark grey to grey and brown grey Claystone, trace kerogenous laminations
brown grey to grey brown Dolomite soft sediment deformation, thinly laminate
90% dark grey Claystone, 10% grey Sandstone
Marlstone - Laminated to microparallel laminated, light grey to brown laminati
dark grey to grey and brown grey Claystone, trace kerogenous laminations
brown grey to grey brown Dolomite soft sediment deformation, thinly laminate
90% dark grey Claystone, 10% grey Sandstone
95% grey brown to brown and grey Claystone kerogenous laminations, 5% gr
brown grey to grey brown Dolomite soft sediment deformation, thinly laminate
90% dark grey Claystone, 10% grey Sandstone
95% grey brown to brown and grey Claystone kerogenous laminations, 5% gr
brown grey to grey brown Dolomite soft sediment deformation, thinly laminate
90% dark grey Claystone, 10% grey Sandstone
Shale bl.gry gen NB with bands Sandstone light grey
Sandstone light grey buff
Sandstone light grey and brown, moterately hd, moderately friable, blocky me
dark to light grey and brownish Dolomite weakly kerogenous laminations
light brown grey to grey brown, 90% Dolomite thin to thickly laminated, irregul
90% dark grey Claystone, 10% grey Sandstone
dark grey to brown grey Claystone calcareous to dolomitic, local kerogenous l
light brown grey to grey brown, 90% Dolomite thin to thickly laminated, irregul
90% dark grey Claystone, 10% grey Sandstone
dark grey to brown grey Claystone calcareous to dolomitic, local kerogenous l
light brown grey to grey brown, 90% Dolomite thin to thickly laminated, irregul
90% dark grey Claystone, 10% grey Sandstone
dark grey to brown grey Claystone calcareous to dolomitic, local kerogenous l
grey brown to brown grey Dolomite, thin to thickly laminated, irregular, locally
90% dark grey Claystone, 10% grey Sandstone
dark grey to brown grey Claystone calcareous to dolomitic, local kerogenous l
grey brown to brown grey Dolomite, thin to thickly laminated, irregular, locally
40% grey Sandstone, 10% grey to grey brown Claystone, grey 50% Conglom
dark grey to brown grey Dolomite, weakly to moderately kerogenous
grey brown to brown grey Dolomite, thin to thickly laminated, irregular, locally
40% grey Sandstone, 10% grey to grey brown Claystone, grey 50% Conglom
dark grey to brownish Claystone calcareous, kerogenous
dark brown grey to dark grey Claystone, thin to thickly laminated, regular, loca
40% grey Sandstone, 10% grey to grey brown Claystone, grey 50% Conglom
Marlstone dark brownish-grey, fair laminations and varves

General_Note	Sample_Type	Palynology
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See Also Reference 13		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2703	697	634	31	Y	634		
2997	695	634	31	Y	634		
3141	698	634	31	Y	634		
388	331	ICSC1 -635	25	Y	635		
845	353	C-R1 -2086 -Sample 5	3	Y	635.81		
2704	697	636	31	Y	636		
2998	695	636	31	Y	636		
3142	698	636	31	Y	636		
2705	697	638	31	Y	638		
2999	695	638	31	Y	638		
3143	698	638	31	Y	638		
389	331	ICSC1 -640	25	Y	640		
2706	697	640	31	Y	640		
3000	695	640	31	Y	640		
3144	698	640	31	Y	640		
851	353	L390-15 - C-R1-Sample 6	26	Y	640.04	639.91	640.04
2707	697	642	31	Y	642		
3001	695	642	31	Y	642		
3145	698	642	31	Y	642		
3660	318	36-2112ft	39	Y	643.74	642.21	643.74
2708	697	644	31	Y	644		
3002	695	644	31	Y	644		
3146	698	644	31	Y	644		
2709	697	646	31	Y	646		
3003	695	646	31	Y	646		
3147	698	646	31	Y	646		
3599	290	NBDNR-08	38	Y	646.48	641.3	646.48
2710	697	648	31	Y	648		
3004	695	648	31	Y	648		
3148	698	648	31	Y	648		
444	332	ESC 1 -649.2	25	Y	649.2		
23	38	UPMacLeod Brk1 -649.22	25	Y	649.22		
2711	697	650	31	Y	650		
2864	41	Sample Bag # 2160ft	35	Y	650		
3005	695	650	31	Y	650		
3149	698	650	31	Y	650		
3662	290	38-2134ft	39	Y	650.44	648.61	650.44
300	336	L390-38 - Arco St. Joseph 2 - Sa	26	Y	650.91	649.39	650.91

Depth_m	Calc_Elevatio	Group	Formation	Member
634	-625.65	Horton	Albert	Fredericks Bro
634	-542.16	Horton	Albert	Fredericks Bro
634	-527.64	Horton	Albert	Hiram Brook
635	-548.53	Horton	Albert	
635.81	-407.21	Horton	Albert	
636	-627.65	Horton	Albert	Fredericks Bro
636	-544.16	Horton	Albert	Fredericks Bro
636	-529.64	Horton	Albert	Hiram Brook
638	-629.65	Horton	Albert	Fredericks Bro
638	-546.16	Horton	Albert	Fredericks Bro
638	-531.64	Horton	Albert	Hiram Brook
640	-553.53	Horton	Albert	
640	-631.65	Horton	Albert	Fredericks Bro
640	-548.16	Horton	Albert	Fredericks Bro
640	-533.64	Horton	Albert	Hiram Brook
640	-411.44	Horton	Albert	
642	-633.65	Horton	Albert	Fredericks Bro
642	-550.16	Horton	Albert	Fredericks Bro
642	-535.64	Horton	Albert	Hiram Brook
	-606.24	Horton	Albert	
644	-635.65	Horton	Albert	Fredericks Bro
644	-552.16	Horton	Albert	Fredericks Bro
644	-537.64	Horton	Albert	Hiram Brook
646	-637.65	Horton	Albert	Fredericks Bro
646	-554.16	Horton	Albert	Fredericks Bro
646	-539.64	Horton	Albert	Hiram Brook
	-591.48	Horton	Memramcook	
648	-639.65	Horton	Albert	Fredericks Bro
648	-556.16	Horton	Albert	Fredericks Bro
648	-541.64	Horton	Albert	Hiram Brook
649.2	-588.93	Horton	Albert	
649.22	-531.57	Horton	Albert	
650	-641.65	Horton	Albert	Fredericks Bro
650	-529.61	Sussex	Weldon	Undivided
650	-558.16	Horton	Albert	Fredericks Bro
650	-543.64	Horton	Albert	Hiram Brook
	-595.44	Sussex	Weldon	
650	-600.62	Horton	Albert	

Sample_Description
dark grey to brownish Claystone calcareous, kerogenous
dark brown grey to dark grey Claystone, thin to thickly laminated, regular, loca
grey brown to brown grey Claystone
Sandstone fine grained, dark oil stain
Marlstone dark brownish-grey, fair laminations and varves
dark grey to brownish Claystone calcareous, kerogenous
98% brown grey Dolomite, thick to thinly laminated, locally contorted, irregular
grey brown to brown grey Claystone
dark grey to brownish grey Claystone, calcareous, kerogenous laminations an
98% brown grey Dolomite, thick to thinly laminated, locally contorted, irregular
grey brown to brown grey Claystone
Shale medium to dark grey, Sandstone fine grained, dark oil stain
dark grey to brownish grey Dolomite, silty kerogenous laminations
98% brown grey Dolomite, thick to thinly laminated, locally contorted, irregular
60% grey Sandstone, grey 20% Conglomerate, 20% grey brown Sandy Clays
Laminated with slump folds and flame structures, light grey and dark grey lam
dark grey to brownish grey Dolomite, silty kerogenous laminations
98% brown grey Dolomite, thick to thinly laminated, locally contorted, irregular
grey Claystone with 2% gypsum stringers and veinlets
Shale dark grey to black, pyritic
dark grey to brownish grey Claystone, calcareous laminations some kerogeno
98% brown grey Dolomite, thick to thinly laminated, locally contorted, irregular
grey Claystone with 2% gypsum stringers and veinlets
dark grey to brownish grey Claystone, calcareous laminations some kerogeno
98% brown grey Dolomite, thick to thinly laminated, locally contorted, irregular
grey Claystone with 2% gypsum stringers and veinlets
grey to red grey Shale
dark grey to brownish grey Claystone, calcareous laminations some kerogeno
98% brown grey Dolomite, thick to thinly laminated, locally contorted, irregular
grey Claystone with 2% gypsum stringers and veinlets
Sandstone brown with shale laminae
Sh: grey-brown dol'c, petrolif dyna in pt
dark grey to brownish grey Claystone, calcareous laminations some kerogeno
Shale light to medium grey, very minor siltstone, no kerogen
brown grey Dolomite, brecciated with clasts <=4cm
grey Claystone with 2% gypsum stringers and veinlets
Sandstone - grey fine grained, totally cemented
Hackly fractures with micro laminii and kerogen laminii, dark brown grey, silty

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
445	332	ESC 1 -651.3	25	Y	651.3		
2712	697	652	31	Y	652		
3006	695	652	31	Y	652		
3150	698	652	31	Y	652		
685	347	C-A5 -2140	3	Y	652.27		
464	332	ICESC1-654	25	Y	654		
2713	697	654	31	Y	654		
3007	695	654	31	Y	654		
3151	698	654	31	Y	654		
390	331	ICSC1 -655	25	Y	655		
2714	697	656	31	Y	656		
3008	695	656	31	Y	656		
3152	698	656	31	Y	656		
686	347	C-A5 -2155	3	Y	656.84		
2715	697	658	31	Y	658		
3009	695	658	31	Y	658		
3153	698	658	31	Y	658		
391	331	ICSC1 -660	25	Y	660		
465	332	ICESC1-660	25	Y	660		
2716	697	660	31	Y	660		
3010	695	660	31	Y	660		
3154	698	660	31	Y	660		
2717	697	662	31	Y	662		
3011	695	662	31	Y	662		
3155	698	662	31	Y	662		
2718	697	664	31	Y	664		
3012	695	664	31	Y	664		
3156	698	664	31	Y	664		
687	347	C-A5 -2180	3	Y	664.46		
2719	697	666	31	Y	666		
3013	695	666	31	Y	666		
3157	698	666	31	Y	666		
2720	697	668	31	Y	668		
3014	695	668	31	Y	668		
3158	698	668	31	Y	668		
2721	697	670	31	Y	670		
3015	695	670	31	Y	670		
3159	698	670	31	Y	670		

Depth_m	Calc_Elevatio	Group	Formation	Member
651.3	-591.03	Horton	Albert	
652	-643.65	Horton	Albert	Fredericks Bro
652	-560.16	Horton	Albert	Fredericks Bro
652	-545.64	Horton	Albert	Hiram Brook
652.27	-537.97	Horton	Albert	Fredericks Bro
654	-593.73	Horton	Albert	
654	-645.65	Horton	Albert	Fredericks Bro
654	-562.16	Horton	Albert	Fredericks Bro
654	-547.64	Horton	Albert	Hiram Brook
655	-568.53	Horton	Albert	
656	-647.65	Horton	Albert	Fredericks Bro
656	-564.16	Horton	Albert	Fredericks Bro
656	-549.64	Horton	Albert	Hiram Brook
656.84	-542.54	Horton	Albert	Fredericks Bro
658	-649.65	Horton	Albert	Fredericks Bro
658	-566.16	Horton	Albert	Fredericks Bro
658	-551.64	Horton	Albert	Hiram Brook
660	-573.53	Horton	Albert	
660	-599.73	Horton	Albert	
660	-651.65	Horton	Albert	Fredericks Bro
660	-568.16	Horton	Albert	Fredericks Bro
660	-553.64	Horton	Albert	Hiram Brook
662	-653.65	Horton	Albert	Fredericks Bro
662	-570.16	Horton	Albert	Fredericks Bro
662	-555.64	Horton	Albert	Hiram Brook
664	-655.65	Horton	Albert	Fredericks Bro
664	-572.16	Horton	Albert	Fredericks Bro
664	-557.64	Horton	Albert	Hiram Brook
664.46	-550.16	Horton	Albert	Fredericks Bro
666	-657.65	Horton	Albert	Dawson Settle
666	-574.16	Horton	Albert	Fredericks Bro
666	-559.64	Horton	Albert	Hiram Brook
668	-659.65	Horton	Albert	Dawson Settle
668	-576.16	Horton	Albert	Fredericks Bro
668	-561.64	Horton	Albert	Hiram Brook
670	-661.65	Horton	Albert	Dawson Settle
670	-578.16	Horton	Albert	Fredericks Bro
670	-563.64	Horton	Albert	Hiram Brook

Sample_Description
Shale and Sandstone interbedded interlaminated
dark grey to brown grey Claystone local kerogenous bands
brown grey Dolomite, brecciated with clasts <=4cm
grey brown to brown grey Claystone with 2% gypsum stringers and veinlets
Dolomitic Marlstone, dark medium brown, microlaminated
Shale and Sandstone interbedded interlaminated
dark grey to brown grey Claystone local kerogenous bands
brown grey Dolomite, massive locally contorted and locally brecciated with cla
grey 91% Claystone, 5% Sandstone, 2% gypsum stringers, 2% pyrite inclusio
Shale subblocky, medium grey, slight greenish, trace organic specks and lam
grey brown to brownish Claystone alternating silty and kerogenous bands
brown grey Dolomite, massive locally contorted and locally brecciated with cla
grey 91% Claystone, 5% Sandstone, 2% gypsum stringers, 2% pyrite inclusio
Dolomitic Marlstone, dark medium brown, microlaminated
grey brown to brownish Claystone alternating silty and kerogenous bands
brown grey Dolomite, massive locally contorted and locally brecciated with cla
grey 91% Claystone, 5% Sandstone, 2% gypsum stringers, 2% pyrite inclusio
Shale medium grey micro-micaceous
Sandstone light grey - light brown, hd - friable, fine to medium grained
grey brown to brownish Claystone alternating silty and kerogenous bands
brown grey Dolomite, massive locally contorted and locally brecciated with cla
grey 91% Claystone, 5% Sandstone, 2% gypsum stringers, 2% pyrite inclusio
grey brown to brownish Claystone alternating silty and kerogenous bands
grey brown to brown grey massive to thinly laminated, laminations typically re
grey 91% Claystone, 5% Sandstone, 2% gypsum stringers, 2% pyrite inclusio
grey brown to brownish Claystone alternating silty and kerogenous bands
grey brown to brown grey massive to thinly laminated, laminations typically re
grey 91% Claystone, 5% Sandstone, 2% gypsum stringers, 2% pyrite inclusio
Dolomitic Marlstone, dark medium brown, microlaminated
grey Claystone, calcareous
grey brown to brown grey massive to thinly laminated, laminations typically re
grey 91% Claystone, 5% Sandstone, 2% gypsum stringers, 2% pyrite inclusio
grey Claystone, calcareous
grey brown to brown grey massive to thinly laminated, laminations typically re
grey brown Claystone with 2% gypsum stringers and veinlets
grey Claystone, calcareous
grey brown to brown grey massive to thinly laminated, laminations typically re
grey brown Claystone with 2% gypsum stringers and veinlets

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2722	697	672	31	Y	672		
3016	695	672	31	Y	672		
3160	698	672	31	Y	672		
2723	697	674	31	Y	674		
3017	695	674	31	Y	674		
3161	698	674	31	Y	674		
2724	697	676	31	Y	676		
3018	695	676	31	Y	676		
3162	698	676	31	Y	676		
2725	697	678	31	Y	678		
3019	695	678	31	Y	678		
3163	698	678	31	Y	678		
392	331	ICSC1 -680	25	Y	680		
466	332	ICESC1-680	25	Y	680		
2726	697	680	31	Y	680		
3020	695	680	31	Y	680		
3164	698	680	31	Y	680		
2727	697	682	31	Y	682		
3021	695	682	31	Y	682		
3165	698	682	31	Y	682		
2728	697	684	31	Y	684		
3022	695	684	31	Y	684		
3166	698	684	31	Y	684		
2729	697	686	31	Y	686		
3023	695	686	31	Y	686		
3167	698	686	31	Y	686		
3647	712	23-686	39	Y	686		
2730	697	688	31	Y	688		
3024	695	688	31	Y	688		
3168	698	688	31	Y	688		
2731	697	690	31	Y	690		
3025	695	690	31	Y	690		
3169	698	690	31	Y	690		
2732	697	692	31	Y	692		
3026	695	692	31	Y	692		
3170	698	692	31	Y	692		
2733	697	694	31	Y	694		
3027	695	694	31	Y	694		

Depth_m	Calc_Elevatio	Group	Formation	Member
672	-663.65	Horton	Albert	Dawson Settle
672	-580.16	Horton	Albert	Fredericks Bro
672	-565.64	Horton	Albert	Hiram Brook
674	-665.65	Horton	Albert	Dawson Settle
674	-582.16	Horton	Albert	Fredericks Bro
674	-567.64	Horton	Albert	Fredericks Bro
676	-667.65	Horton	Albert	Dawson Settle
676	-584.16	Horton	Albert	Fredericks Bro
676	-569.64	Horton	Albert	Fredericks Bro
678	-669.65	Horton	Albert	Dawson Settle
678	-586.16	Horton	Albert	Fredericks Bro
678	-571.64	Horton	Albert	Fredericks Bro
680	-593.53	Horton	Albert	
680	-619.73	Horton	Albert	
680	-671.65	Horton	Albert	Dawson Settle
680	-588.16	Horton	Albert	Fredericks Bro
680	-573.64	Horton	Albert	Fredericks Bro
682	-673.65	Horton	Albert	Dawson Settle
682	-590.16	Horton	Albert	Fredericks Bro
682	-575.64	Horton	Albert	Fredericks Bro
684	-675.65	Horton	Albert	Dawson Settle
684	-592.16	Horton	Albert	Fredericks Bro
684	-577.64	Horton	Albert	Fredericks Bro
686	-677.65	Horton	Albert	Dawson Settle
686	-594.16	Horton	Albert	Fredericks Bro
686	-579.64	Horton	Albert	Fredericks Bro
686	-579	Horton	Albert	
688	-679.65	Horton	Albert	Dawson Settle
688	-596.16	Horton	Albert	Fredericks Bro
688	-581.64	Horton	Albert	Fredericks Bro
690	-681.65	Horton	Albert	Dawson Settle
690	-598.16	Horton	Albert	Fredericks Bro
690	-583.64	Horton	Albert	Fredericks Bro
692	-683.65	Horton	Albert	Dawson Settle
692	-600.16	Horton	Albert	Fredericks Bro
692	-585.64	Horton	Albert	Fredericks Bro
694	-685.65	Horton	Albert	Dawson Settle
694	-602.16	Horton	Albert	Fredericks Bro

Sample_Description
grey Claystone, calcareous
grey brown to brown grey massive to thinly laminated, laminations typically re
grey brown Claystone with 2% gypsum stringers and veinlets
grey Claystone, calcareous
light grey brown to grey Dolomite, massive, locally contorted, soft sediment d
75% grey to brownish grey Claystone, minor pyrite, 15% grey Sandstone, 10
grey Claystone, calcareous
light grey brown to grey Dolomite, massive, locally contorted, soft sediment d
75% grey to brownish grey Claystone, minor pyrite, 15% grey Sandstone, 10
grey Claystone, calcareous
light grey brown to grey Dolomite, massive, locally contorted, soft sediment d
75% grey to brownish grey Claystone, minor pyrite, 15% grey Sandstone, 10
Shale with Sandstone fine to medium grained
Sandstone light grey - light brown, hd - friable, fine to medium grained
grey Claystone, calcareous
light grey brown to grey Dolomite, massive, locally contorted, soft sediment d
75% grey to brownish grey Claystone, minor pyrite, 15% grey Sandstone, 10
grey to dark grey 80% Sandstone mixed oily porous, fine to medium grained,
light grey brown to grey Dolomite, massive, locally contorted, soft sediment d
75% grey to brownish grey Claystone, minor pyrite, 15% grey Sandstone, 10
grey to dark grey 80% Sandstone mixed oily porous, fine to medium grained,
light grey brown to grey Dolomite, massive, locally contorted, soft sediment d
75% grey to brownish grey Claystone, minor pyrite, 15% grey Sandstone, 10
grey to dark grey 80% Sandstone mixed oily porous, fine to medium grained,
95% grey to dark grey Claystone, thick to thinly laminated, locally contorted, ir
75% grey to brownish grey Claystone, minor pyrite, 15% grey Sandstone, 10
black Siltstone-Shale
grey to dark grey 80% Sandstone mixed oily porous, fine to medium grained,
95% grey to dark grey Claystone, thick to thinly laminated, locally contorted, ir
brown grey to grey brown Claystone
grey Sandstone calcareous, fine to medium grained
95% grey to dark grey Claystone, thick to thinly laminated, locally contorted, ir
brown to brown grey 90% Dolostone, 10% Conglomerate
grey Sandstone calcareous, fine to medium grained
95% grey to dark grey Claystone, thick to thinly laminated, locally contorted, ir
brown to brown grey 90% Dolostone, 10% Conglomerate
grey Sandstone calcareous, fine to medium grained
95% grey to dark grey Claystone, thick to thinly laminated, locally contorted, ir

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3171	698	694	31	Y	694		
24	38	UPMacLeod Brk1 -694.94	25	Y	694.94		
2734	697	696	31	Y	696		
3028	695	696	31	Y	696		
3172	698	696	31	Y	696		
2735	697	698	31	Y	698		
3029	695	698	31	Y	698		
3173	698	698	31	Y	698		
3731	299	2265-2293'	21	Y	698.91	690.372	698.906
393	331	ICSC1 -700	25	Y	700		
2736	697	700	31	Y	700		
3030	695	700	31	Y	700		
3174	698	700	31	Y	700		
2737	697	702	31	Y	702		
3031	695	702	31	Y	702		
3175	698	702	31	Y	702		
2738	697	704	31	Y	704		
3032	695	704	31	Y	704		
3176	698	704	31	Y	704		
40	38	2310	17	Y	704.09	701.04	704.088
3629	402	3-704.1	39	Y	704.1	691.9	704.1
2739	697	706	31	Y	706		
3033	695	706	31	Y	706		
3177	698	706	31	Y	706		
2740	697	708	31	Y	708		
3034	695	708	31	Y	708		
3178	698	708	31	Y	708		
2741	697	710	31	Y	710		
3035	695	710	31	Y	710		
3179	698	710	31	Y	710		
690	347	C-A5 -2330	3	Y	710.18		
2742	697	712	31	Y	712		
3036	695	712	31	Y	712		
3180	698	712	31	Y	712		
2743	697	714	31	Y	714		
3037	695	714	31	Y	714		
3181	698	714	31	Y	714		
394	331	ICSC1 -715	25	Y	715		

Depth_m	Calc_Elevatio	Group	Formation	Member
694	-587.64	Horton	Albert	Fredericks Bro
694.94	-577.29	Horton	Albert	
696	-687.65	Horton	Albert	Dawson Settle
696	-604.16	Horton	Albert	Fredericks Bro
696	-589.64	Horton	Albert	Fredericks Bro
698	-689.65	Horton	Albert	Dawson Settle
698	-606.16	Horton	Albert	Fredericks Bro
698	-591.64	Horton	Albert	Fredericks Bro
	-583.09			
700	-613.53	Horton	Albert	
700	-691.65	Horton	Albert	Dawson Settle
700	-608.16	Horton	Albert	Fredericks Bro
700	-593.64	Horton	Albert	Fredericks Bro
702	-693.65	Horton	Albert	Dawson Settle
702	-610.16	Horton	Albert	Fredericks Bro
702	-595.64	Horton	Albert	Fredericks Bro
704	-695.65	Horton	Albert	Dawson Settle
704	-612.16	Horton	Albert	Fredericks Bro
704	-597.64	Horton	Albert	Fredericks Bro
	-586.44	Horton	Albert	
	-689.77	Cumberland	Boss Point	
706	-697.65	Horton	Albert	Dawson Settle
706	-614.16	Horton	Albert	Fredericks Bro
706	-599.64	Horton	Albert	Fredericks Bro
708	-699.65	Horton	Albert	Dawson Settle
708	-616.16	Horton	Albert	Fredericks Bro
708	-601.64	Horton	Albert	Fredericks Bro
710	-701.65	Horton	Albert	Dawson Settle
710	-618.16	Horton	Albert	Fredericks Bro
710	-603.64	Horton	Albert	Fredericks Bro
710.18	-595.88	Horton	Albert	Fredericks Bro
712	-703.65	Horton	Albert	Dawson Settle
712	-620.16	Horton	Albert	Fredericks Bro
712	-605.64	Horton	Albert	Fredericks Bro
714	-705.65	Horton	Albert	Dawson Settle
714	-622.16	Horton	Albert	Fredericks Bro
714	-607.64	Horton	Albert	Fredericks Bro
715	-628.53	Horton	Albert	

Sample_Description
brown grey to grey brown Claystone
Sh: 40%grey-bf, dol'c, silty in pt., 60% grey-brown, petrol
grey Sandstone calcareous, fine to medium grained
95% grey to dark grey Claystone, thick to thinly laminated, locally contorted, ir
brown grey to grey brown Claystone
grey Sandstone calcareous, fine to medium grained
grey brown Claystone calcareous, thick to thinly laminated, irregular laminatio
brown grey to light brown, 96% Dolomite, 2% grey Sandstone, 2% gypsum str
black grey Shale
Shale medium grey with organic/carbonaceous specks, Sandstone 10-15% c
grey Sandstone calcareous, fine to medium grained
grey brown Claystone calcareous, thick to thinly laminated, irregular laminatio
brown grey to light brown, 96% Dolomite, 2% grey Sandstone, 2% gypsum str
grey Sandstone calcareous, fine to medium grained
grey brown Claystone calcareous, thick to thinly laminated, irregular laminatio
brown grey to light brown, 96% Dolomite, 2% grey Sandstone, 2% gypsum str
grey Sandstone calcareous, fine to medium grained
grey brown Claystone calcareous, thick to thinly laminated, irregular laminatio
dark grey to brown Dolomite with 2% grey Sandstone
Sh: grey-bf to brown, petrolif v sli trace brn oil stain slst
50% grey Shale, 35% reddish brown and chocolate brown Shale, 10% gey Sa
grey Sandstone calcareous, fine to medium grained
grey brown Claystone calcareous, thick to thinly laminated, irregular laminatio
dark grey to brown Dolomite with 2% grey Sandstone
grey Sandstone calcareous, fine to medium grained
grey brown Claystone calcareous, thick to thinly laminated, irregular laminatio
dark grey to brown Dolomite with 2% grey Sandstone
grey Sandstone calcareous, fine to medium grained
grey brown Claystone calcareous, thick to thinly laminated, irregular laminatio
brown to brown grey Claystone, calcareous
Dolomitic Marlstone, dark medium brown, microlaminated
grey Sandstone calcareous, fine to medium grained
dark grey Claystone, silty, massive
brown to brown grey Claystone, calcareous
grey Sandstone calcareous, medium to coarse grained, oily, heavy oil seepin
dark grey Claystone, silty, massive, shear zone 714.15-714.5
brown to brown grey Claystone, calcareous
Shale

General_Note	Sample_Type	Palynology
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No Returns?? Caught with 720		☐

Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2744	697	716	31	Y	716		
3038	695	716	31	Y	716		
3182	698	716	31	Y	716		
3705	99	2200-2350'	21	Y	716.28	670.56	716.28
2745	697	718	31	Y	718		
3039	695	718	31	Y	718		
3183	698	718	31	Y	718		
467	332	ICESC1-720	25	Y	720		
2746	697	720	31	Y	720		
3040	695	720	31	Y	720		
3184	698	720	31	Y	720		
2747	697	722	31	Y	722		
3041	695	722	31	Y	722		
3185	698	722	31	Y	722		
2748	697	724	31	Y	724		
3042	695	724	31	Y	724		
3186	698	724	31	Y	724		
2749	697	726	31	Y	726		
3043	695	726	31	Y	726		
3187	698	726	31	Y	726		
2750	697	728	31	Y	728		
3044	695	728	31	Y	728		
3188	698	728	31	Y	728		
2751	697	730	31	Y	730		
3045	695	730	31	Y	730		
3189	698	730	31	Y	730		
2752	697	732	31	Y	732		
3046	695	732	31	Y	732		
3190	698	732	31	Y	732		
2753	697	734	31	Y	734		
3047	695	734	31	Y	734		
3191	698	734	31	Y	734		
2754	697	736	31	Y	736		
3048	695	736	31	Y	736		
3192	698	736	31	Y	736		
692	347	C-A5 -2420	3	Y	737.62		
2755	697	738	31	Y	738		
3049	695	738	31	Y	738		

Depth_m	Calc_Elevatio	Group	Formation	Member
716	-707.65	Horton	Albert	Dawson Settle
716	-624.16	Horton	Albert	Fredericks Bro
716	-609.64	Horton	Albert	Fredericks Bro
	-561.44			
718	-709.65	Horton	Albert	Dawson Settle
718	-626.16	Horton	Albert	Fredericks Bro
718	-611.64	Horton	Albert	Fredericks Bro
720	-659.73	Horton	Albert	
720	-711.65	Horton	Albert	Dawson Settle
720	-628.16	Horton	Albert	Fredericks Bro
720	-613.64	Horton	Albert	Fredericks Bro
722	-713.65	Horton	Albert	Dawson Settle
722	-630.16	Horton	Albert	Fredericks Bro
722	-615.64	Horton	Albert	Fredericks Bro
724	-715.65	Horton	Albert	Dawson Settle
724	-632.16	Horton	Albert	Fredericks Bro
724	-617.64	Horton	Albert	Fredericks Bro
726	-717.65	Horton	Albert	Dawson Settle
726	-634.16	Horton	Albert	Fredericks Bro
726	-619.64	Horton	Albert	Fredericks Bro
728	-719.65	Horton	Albert	Dawson Settle
728	-636.16	Horton	Albert	Fredericks Bro
728	-621.64	Horton	Albert	Fredericks Bro
730	-721.65	Horton	Albert	Dawson Settle
730	-638.16	Horton	Albert	Fredericks Bro
730	-623.64	Horton	Albert	Fredericks Bro
732	-723.65	Horton	Albert	Dawson Settle
732	-640.16	Horton	Albert	Fredericks Bro
732	-625.64	Horton	Albert	Fredericks Bro
734	-725.65	Horton	Albert	Dawson Settle
734	-642.16	Horton	Albert	Fredericks Bro
734	-627.64	Horton	Albert	Fredericks Bro
736	-727.65	Horton	Albert	Dawson Settle
736	-644.16	Horton	Albert	Fredericks Bro
736	-629.64	Horton	Albert	Fredericks Bro
737.62	-623.32	Horton	Albert	Fredericks Bro
738	-729.65	Horton	Albert	Dawson Settle
738	-646.16	Horton	Albert	Fredericks Bro

Sample_Description
grey Sandstone calcareous, medium to coarse grained, oily, heavy oil seepin
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
grey Sandstone, coarse grained
grey Sandstone calcareous, medium to coarse grained, oily, heavy oil seepin
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
grey Sandstone, coarse grained
Shale dark grey-brown, occassionally blocky, moderately hd, pitchy black asp
grey Sandstone calcareous, medium to coarse grained, oily, heavy oil seepin
grey brown Claystone, silty, calcareous, soft sediment deformation, oil seepin
grey Conglomerate, coarse grained
grey Sandstone calcareous, medium to coarse grained, oily, heavy oil seepin
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
brown grey Sandy Claystone, calcareous
grey Sandstone, fine to coarse grained, some pebbly conglomerate, locally w
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
brown grey Sandy Claystone, calcareous
grey Sandstone, fine to coarse grained, some pebbly conglomerate, locally w
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
brown grey Sandy Claystone, calcareous
grey Sandstone, fine to coarse grained, some pebbly conglomerate, locally w
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
light to medium grained Conglomerate
grey Sandstone, fine to coarse grained, some pebbly conglomerate, locally w
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
light to medium grained Conglomerate
dark grey and brownish Claystone, calcareous, alternating kerogenous lamin
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
light to medium grained Conglomerate
dark grey and brownish Claystone, calcareous, alternating kerogenous lamin
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
light to medium grained Conglomerate
dark grey and brownish Claystone, calcareous, alternating kerogenous lamin
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <
light to medium grained Conglomerate
Dolomitic Marlstone, dark medium brown, microlaminated
dark grey and brownish Claystone, calcareous, alternating kerogenous lamin
grey brown Claystone, silty, calcareous, soft sediment deformation, blocky, <

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3193	698	738	31	Y	738		
395	331	ICSC1 -740	25	Y	740		
468	332	ICESC1-740	25	Y	740		
2756	697	740	31	Y	740		
3050	695	740	31	Y	740		
3194	698	740	31	Y	740		
2757	697	742	31	Y	742		
3051	695	742	31	Y	742		
3195	698	742	31	Y	742		
694	347	C-A5 -2440	3	Y	743.71		
2758	697	744	31	Y	744		
3052	695	744	31	Y	744		
3196	698	744	31	Y	744		
2759	697	746	31	Y	746		
3053	695	746	31	Y	746		
3197	698	746	31	Y	746		
2760	697	748	31	Y	748		
3054	695	748	31	Y	748		
3198	698	748	31	Y	748		
2761	697	750	31	Y	750		
3055	695	750	31	Y	750		
3199	698	750	31	Y	750		
2762	697	752	31	Y	752		
3056	695	752	31	Y	752		
3200	698	752	31	Y	752		
283	335	L390-29 - Arco St. Joseph 1 - Sa	26	Y	753.81	750.76	753.81
2763	697	754	31	Y	754		
3057	695	754	31	Y	754		
3201	698	754	31	Y	754		
2764	697	756	31	Y	756		
3058	695	756	31	Y	756		
3202	698	756	31	Y	756		
2765	697	758	31	Y	758		
3059	695	758	31	Y	758		
3203	698	758	31	Y	758		
259	334	ICLittle River1 -760	41	Y	760		
396	331	ICSC1 -760	25	Y	760		
2766	697	760	31	Y	760		

Depth_m	Calc_Elevatio	Group	Formation	Member
738	-631.64	Horton	Albert	Fredericks Bro
740	-653.53	Horton	Albert	
740	-679.73	Horton	Albert	
740	-731.65	Horton	Albert	Dawson Settle
740	-648.16	Horton	Albert	Fredericks Bro
740	-633.64	Horton	Albert	Fredericks Bro
742	-733.65	Horton	Albert	Dawson Settle
742	-650.16	Horton	Albert	Fredericks Bro
742	-635.64	Horton	Albert	Fredericks Bro
743.71	-629.41	Horton	Albert	Fredericks Bro
744	-735.65	Horton	Albert	Dawson Settle
744	-652.16	Horton	Albert	Fredericks Bro
744	-637.64	Horton	Albert	Fredericks Bro
746	-737.65	Horton	Albert	Dawson Settle
746	-654.16	Horton	Albert	Fredericks Bro
746	-639.64	Horton	Albert	Fredericks Bro
748	-739.65	Horton	Albert	Dawson Settle
748	-656.16	Horton	Albert	Fredericks Bro
748	-641.64	Horton	Albert	Fredericks Bro
750	-741.65	Horton	Albert	Dawson Settle
750	-658.16	Horton	Albert	Fredericks Bro
750	-643.64	Horton	Albert	Fredericks Bro
752	-743.65	Horton	Albert	Dawson Settle
752	-660.16	Horton	Albert	Fredericks Bro
752	-645.64	Horton	Albert	Fredericks Bro
752	-708.09	Horton	Albert	
754	-745.65	Horton	Albert	Dawson Settle
754	-662.16	Horton	Albert	Fredericks Bro
754	-647.64	Horton	Albert	Fredericks Bro
756	-747.65	Horton	Albert	Dawson Settle
756	-664.16	Horton	Albert	Fredericks Bro
756	-649.64	Horton	Albert	Fredericks Bro
758	-749.65	Horton	Albert	Dawson Settle
758	-666.16	Horton	Albert	Fredericks Bro
758	-651.64	Horton	Albert	Fredericks Bro
760	-594.1	Horton	Albert	
760	-673.53	Horton	Albert	
760	-751.65	Horton	Albert	Dawson Settle

Sample_Description
dark grey brown to grey Dolomite
Shale medium -dark grey, dark brown, platy
Shale dark grey-brown, occassionally blocky, moderately hd, pitchy black asp
dark grey and brownish Claystone, calcareous, alternating kerogenous lamin
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
dark grey brown to grey Dolomite
dark grey and brownish Claystone, calcareous, alternating kerogenous lamin
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
20% medium grey Sandstone, 80% brown grey Dolomite
Dolomitic Marlstone, dark medium brown, microlaminated
dark grey and brownish Claystone, calcareous, alternating kerogenous lamin
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
20% medium grey Sandstone, 80% brown grey Dolomite
dark grey and brownish Claystone, calcareous, alternating kerogenous lamin
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
20% medium grey Sandstone, 80% brown grey Dolomite
grey to dark grey and brownish grey Claystone, calcareous
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
dark brown to dark brown grey Dolomite
grey to dark grey and brownish grey Claystone, calcareous
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
dark brown to dark brown grey Dolomite
grey to dark grey and brownish grey Claystone, calcareous
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
dark brown to dark brown grey Dolomite
Waxy sheared shale, dark frey to black, clay to fine grained silt, moderately to
grey to dark grey and brownish grey Claystone, calcareous
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
dark brown to dark brown grey Dolomite
grey to dark grey and brownish grey Claystone, calcareous
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
dark brown to dark brown grey Dolomite
grey Sandstone, calcareous, fine to medium grained, locally oil seep from ma
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
grey Conglomerate
50% Shale medium to dark brownish grey, 50% Sandstone, trace bitumen sp
Shale medium to dark grey, dark brown, bituminous, carbonaceous, Sandsto
grey Sandstone, calcareous, fine to medium grained, locally oil seep from ma

General_Note	Sample_Type	Palynology
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Poor Sample		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
3060	695	760	31	Y	760		
3204	698	760	31	Y	760		
2767	697	762	31	Y	762		
3061	695	762	31	Y	762		
3205	698	762	31	Y	762		
2768	697	762.3	31	Y	762.3		
585	336	L390-39 - Arco St. Joseph 2 - Sa	26	Y	763.72	759.15	763.72
3062	695	764	31	Y	764		
3206	698	764	31	Y	764		
260	334	LR1-765	19	Y	765		
25	38	UPMacLeod Brk1 -765.04	25	Y	765.04		
3063	695	766	31	Y	766		
3207	698	766	31	Y	766		
3064	695	768	31	Y	768		
3208	698	768	31	Y	768		
190	147	Lee Brook 1 -770	25	Y	770		
258	334	ICLittle River1 -770	28	Y	770		
3065	695	770	31	Y	770		
3209	698	770	31	Y	770		
3066	695	772	31	Y	772		
3210	698	772	31	Y	772		
3067	695	774	31	Y	774		
3211	698	774	31	Y	774		
3068	695	776	31	Y	776		
3212	698	776	31	Y	776		
3069	695	778	31	Y	778		
3213	698	778	31	Y	778		
262	334	ICLittle River1 -780	41	Y	780		
397	331	ICSC1 -780	25	Y	780		
470	332	ICESC1-780	25	Y	780		
3070	695	780	31	Y	780		
3214	698	780	31	Y	780		
3627	75	1-2563 ft	39	Y	781.2		
3071	695	782	31	Y	782		
3215	698	782	31	Y	782		
364	331	ICSC1 -782.75	25	Y	782.75		
3072	695	784	31	Y	784		
3216	698	784	31	Y	784		

Depth_m	Calc_Elevatio	Group	Formation	Member
760	-668.16	Horton	Albert	Fredericks Bro
760	-653.64	Horton	Albert	Fredericks Bro
762	-753.65	Horton	Albert	Dawson Settle
762	-670.16	Horton	Albert	Fredericks Bro
762	-655.64	Horton	Albert	Fredericks Bro
762.3	-753.95	Horton	Albert	Dawson Settle
762	-713.43	Horton	Albert	
764	-672.16	Horton	Albert	Fredericks Bro
764	-657.64	Horton	Albert	Fredericks Bro
765	-599.1	Horton	Albert	
765.04	-647.39	Horton	Albert	
766	-674.16	Horton	Albert	Fredericks Bro
766	-659.64	Horton	Albert	Fredericks Bro
768	-676.16	Horton	Albert	Fredericks Bro
768	-661.64	Horton	Albert	Fredericks Bro
770	-611.87	Horton	Albert	
770	-604.1	Horton	Albert	
770	-678.16	Horton	Albert	Fredericks Bro
770	-663.64	Horton	Albert	Fredericks Bro
772	-680.16	Horton	Albert	Fredericks Bro
772	-665.64	Horton	Albert	Fredericks Bro
774	-682.16	Horton	Albert	Fredericks Bro
774	-667.64	Horton	Albert	Fredericks Bro
776	-684.16	Horton	Albert	Fredericks Bro
776	-669.64	Horton	Albert	Fredericks Bro
778	-686.16	Horton	Albert	Fredericks Bro
778	-671.64	Horton	Albert	Fredericks Bro
780	-614.1	Horton	Albert	
780	-693.53	Horton	Albert	
780	-719.73	Horton	Albert	
780	-688.16	Horton	Albert	Fredericks Bro
780	-673.64	Horton	Albert	Fredericks Bro
781.2	-643.77	Windsor	Upperton	
782	-690.16	Horton	Albert	Fredericks Bro
782	-675.64	Horton	Albert	Fredericks Bro
782.75	-696.28	Horton	Albert	
784	-692.16	Horton	Albert	Fredericks Bro
784	-677.64	Horton	Albert	Fredericks Bro

Sample_Description
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
grey Conglomerate
grey Sandstone, calcareous, fine to medium grained, locally oil seep from ma
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
grey Conglomerate
grey Sandstone, calcareous, fine to medium grained, locally oil seep from ma
Hackly microlaminated mudstone to shale with 10% waxy shale, dark brown-
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
50% dark brown to dark brown grey Dolomite, 50% grey Conglomerate
60% Shale medium to dark grey, brownish grey, 40% Sandstone with trace bi
Sh: dark grey-brown, petrolif.
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
dark black to black Dolomite, calcareous
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
90% grey Conglomerate, 10% grey green Claystone interbedded
Shale medium grey slightly calcareous
Shale medium to dark grey, slightly brownish grey, trace bitumen specks
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
90% grey Conglomerate, 10% grey green Claystone interbedded
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
75% grey to black Sandstone, minor oil staining, 25% grey brown Dolostone
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
grey green Conglomerate
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
grey green Conglomerate
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
grey green Conglomerate
Shale medium grained with 20% Sandstone
Conglomerate
Sandstone thinnly bedded and laminated, dark oil stain swirls, several thin sh
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
grey brown to brown, 90% Dolomite, 10% Sandstone
grey green Siltstone Claystone Breccia with some andydrite fragments
98% light brown Dolomite thick to thinly laminated, soft sediment deformation,
grey brown to brown, 90% Dolomite, 10% Sandstone
Conglomerate, trace dead oil specks, minor shale
brown grey Dolomite, thickly laminated, regular, locally massive
grey brown to brown, 90% Dolomite, 10% Sandstone

General_Note	Sample_Type	Palynology
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turbo christ MT54	Cuttings	☐
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No core recovery		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3073	695	786	31	Y	786		
3217	698	786	31	Y	786		
3074	695	788	31	Y	788		
3218	698	788	31	Y	788		
3219	698	788	31	Y	788		
263	334	ICLittle River1 -790	41	Y	790		
3075	695	790	31	Y	790		
3220	698	790	31	Y	790		
3221	698	790	31	Y	790		
3076	695	792	31	Y	792		
3222	698	792	31	Y	792		
3077	695	794	31	Y	794		
3223	698	794	31	Y	794		
3224	698	794	31	Y	794		
3078	695	796	31	Y	796		
3225	698	796	31	Y	796		
3079	695	798	31	Y	798		
3226	698	798	31	Y	798		
399	331	ICSC1 -800	25	Y	800		
1830	147	ICLee Brk1 -800	25	Y	800		
3080	695	800	31	Y	800		
3227	698	800	31	Y	800		
3228	698	800	31	Y	800		
3229	698	802	31	Y	802		
3230	698	802	31	Y	802		
2915	147	Irving Lee Brook # 1	36	Y	803		
3231	698	804	31	Y	804		
3232	698	804	31	Y	804		
471	332	ICESC1-805	25	Y	805		
3233	698	806	31	Y	806		
3234	698	806	31	Y	806		
3589	43	80MAO - 119G	1	Y	807.66		
3235	698	808	31	Y	808		
3236	698	808	31	Y	808		
191	147	Lee Brook 1 -810	25	Y	810		
3237	698	810	31	Y	810		
3238	698	810	31	Y	810		
3732	299	2630-2659'	21	Y	810.46	213.0267	810.463

Depth_m	Calc_Elevatio	Group	Formation	Member
786	-694.16	Horton	Albert	Fredericks Bro
786	-679.64	Horton	Albert	Fredericks Bro
788	-696.16	Horton	Albert	Fredericks Bro
788	-681.64	Horton	Albert	Fredericks Bro
788	-681.64	Horton	Albert	Fredericks Bro
790	-624.1	Horton	Albert	
790	-698.16	Horton	Albert	Fredericks Bro
790	-683.64	Horton	Albert	Fredericks Bro
790	-683.64	Horton	Albert	Fredericks Bro
792	-700.16	Horton	Albert	Fredericks Bro
792	-685.64	Horton	Albert	Fredericks Bro
794	-702.16	Horton	Albert	Fredericks Bro
794	-687.64	Horton	Albert	Fredericks Bro
794	-687.64	Horton	Albert	Fredericks Bro
796	-704.16	Horton	Albert	Fredericks Bro
796	-689.64	Horton	Albert	Fredericks Bro
798	-706.16	Horton	Albert	Fredericks Bro
798	-691.64	Horton	Albert	Fredericks Bro
800	-713.53	Horton	Albert	
800	-641.87	Horton	Albert	
800	-708.16	Horton	Albert	Fredericks Bro
800	-693.64	Horton	Albert	Fredericks Bro
800	-693.64	Horton	Albert	Fredericks Bro
802	-695.64	Horton	Albert	Fredericks Bro
802	-695.64	Horton	Albert	Fredericks Bro
803	-644.87	Horton	Albert	
804	-697.64	Horton	Albert	Fredericks Bro
804	-697.64	Horton	Albert	Fredericks Bro
805	-744.73	Horton	Albert	
806	-699.64	Horton	Albert	Fredericks Bro
806	-699.64	Horton	Albert	Fredericks Bro
807.66	-788.52	Windsor	Upperton	
808	-701.64	Horton	Albert	Fredericks Bro
808	-701.64	Horton	Albert	Fredericks Bro
810	-651.87	Horton	Albert	
810	-703.64	Horton	Albert	Fredericks Bro
810	-703.64	Horton	Albert	Fredericks Bro
	-694.64			

Sample_Description
brown grey Dolomite, thickly laminated, regular, locally massive
grey brown to brown, 90% Dolomite, 10% Sandstone
medium grey Silty Claystone thin to thickly laminated, irregular, trace kerogen
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
Shale mediun grey slightly waxy with 20% brown shale, 20% Sandstone
medium grey Silty Claystone thin to thickly laminated, irregular, trace kerogen
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
medium grey Silty Claystone thin to thickly laminated, irregular, trace kerogen
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
light grey Sandy Claystone very regular thin laminations, locally soft sediment
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
light grey Sandy Claystone very regular thin laminations, locally soft sediment
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
light grey Sandy Claystone very regular thin laminations, locally soft sediment
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
Shale darker, black, carbonaceous, Sandstone black, fine grained, 6% filled
Sandstone grey with medium to dark grey shale
light grey Sandy Claystone very regular thin laminations, locally soft sediment
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
Shale medium to dark grey thinly laminated brownish and dark grey
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
Shale with sandstone beds, shale silty shale siltstone, and very fine grained si
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
Limestone, dolomite and anhydrite
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
Shale medium grey slightly calcareous
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
black grey Shale, bit. Beds

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3239	698	812	31	Y	812		
3240	698	814	31	Y	814		
3241	698	816	31	Y	816		
3720	265	2597-2678'	21	Y	816.25	791.5656	816.254
3242	698	818	31	Y	818		
401	331	ICSC1 -820	25	Y	820		
3243	698	820	31	Y	820		
3244	698	822	31	Y	822		
3710	324	2600-2700'	21	Y	822.96	792.48	822.96
3245	698	824	31	Y	824		
192	147	Lee Brook 1 -825	25	Y	825		
3246	698	826	31	Y	826		
3247	698	828	31	Y	828		
3248	698	830	31	Y	830		
3249	698	832	31	Y	832		
3250	698	834	31	Y	834		
3251	698	836	31	Y	836		
3252	698	838	31	Y	838		
402	331	ICSC1 -840	25	Y	840		
472	332	ICESC1-840	25	Y	840		
3253	698	840	31	Y	840		
3622	708	NBDNR-24	38	Y	840		
3254	698	842	31	Y	842		
3255	698	844	31	Y	844		
26	38	UPMacLeod Brk1 -844.29	25	Y	844.29		
3256	698	846	31	Y	846		
3257	698	848	31	Y	848		
264	334	LR1-850	19	Y	850		
2865	41	Sample Bag # 2800ft	35	Y	850		
3258	698	850	31	Y	850		
3259	698	852	31	Y	852		
3260	698	854	31	Y	854		
3261	698	856	31	Y	856		
3262	698	858	31	Y	858		
3588	43	80MAO - 119D	1	Y	859.18		
403	331	ICSC1 -860	25	Y	860		
473	332	ICESC1-860	25	Y	860		
3263	698	860	31	Y	860		

Depth_m	Calc_Elevatio	Group	Formation	Member
812	-705.64	Horton	Albert	Fredericks Bro
814	-707.64	Horton	Albert	Fredericks Bro
816	-709.64	Horton	Albert	Fredericks Bro
	-726.94			
818	-711.64	Horton	Albert	Fredericks Bro
820	-733.53	Horton	Albert	
820	-713.64	Horton	Albert	Fredericks Bro
822	-715.64	Horton	Albert	Fredericks Bro
	-743.41	Horton	Albert	
824	-717.64	Horton	Albert	Fredericks Bro
825	-666.87	Horton	Albert	
826	-719.64	Horton	Albert	Fredericks Bro
828	-721.64	Horton	Albert	Fredericks Bro
830	-723.64	Horton	Albert	Fredericks Bro
832	-725.64	Horton	Albert	Fredericks Bro
834	-727.64	Horton	Albert	Fredericks Bro
836	-729.64	Horton	Albert	Fredericks Bro
838	-731.64	Horton	Albert	Fredericks Bro
840	-753.53	Horton	Albert	
840	-779.73	Horton	Albert	
840	-733.64	Horton	Albert	Fredericks Bro
840	-767	Horton	Albert	
842	-735.64	Horton	Albert	Fredericks Bro
844	-737.64	Horton	Albert	Fredericks Bro
844.29	-726.64	Horton	Albert	
846	-739.64	Horton	Albert	Fredericks Bro
848	-741.64	Horton	Albert	Fredericks Bro
850	-684.1	Horton	Albert	
850	-729.61	Horton	Albert	
850	-743.64	Horton	Albert	Fredericks Bro
852	-745.64	Horton	Albert	Fredericks Bro
854	-747.64	Horton	Albert	Fredericks Bro
856	-749.64	Horton	Albert	Fredericks Bro
858	-751.64	Horton	Albert	Fredericks Bro
859.18	-840.04	Windsor	Macumber	
860	-773.53	Horton	Albert	
860	-799.73	Horton	Albert	
860	-753.64	Horton	Albert	Fredericks Bro

Sample_Description
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
grey brown to brown, 85% Dolomite, 15% Sandstone, calcareous, oil staining
Shale
grey brown to brown, 80% Dolomite, 10% Sandstone, calcareous, oil staining,
Shale medium grey, Sandstone decreasing to thin beds and laminae, grey ver
85% brown to chocolate brown Dolomite, traces albertite, fish fossils and feca
85% brown to chocolate brown Dolomite, traces albertite, fish fossils and feca
85% brown to chocolate brown Dolomite, traces albertite, fish fossils and feca
Shale medium grey slightly calcareous
85% brown to chocolate brown Dolomite, traces albertite, fish fossils and feca
85% brown to chocolate brown Dolomite, traces albertite, fish fossils and feca
85% brown to chocolate brown Dolomite, traces albertite, fish fossils and feca
85% brown to chocolate brown Dolomite, traces albertite, fish fossils and feca
85% brown to chocolate brown Dolomite, traces albertite, fish fossils and feca
brown Dolomite, highly oil stained and bleeding light yellow crude oil
brown Dolomite, highly oil stained and bleeding light yellow crude oil
Shale dark brown, bitumen, "oil shale"
Shale medium brown, medium dark grey, occassionally blocky, moderately h
brown Dolomite, highly oil stained and bleeding light yellow crude oil
Dolomite
80% brown Dolomite, highly oil stained and bleeding light yellow crude oil, 20
15% grey Conglomerate, 60% grey Sandstone, minor oil staining, 25% dark b
Sh: dark grey-brown, a few lense slst, grey sli calc, arg.
15% grey Conglomerate, 60% grey Sandstone, minor oil staining, 25% dark b
15% grey Conglomerate, 60% grey Sandstone, minor oil staining, 25% dark b
Shale mediun grey slightly waxy with 25% red-brown shale, trace limestone n
Shale dark brown to black cabonaceous, albertite and bitumen
90% dark brown Dolomite, 10% grey Sandstone, interbedded
brown 50% Dolomite, 50% Clastics interbedded
brown 50% Dolomite, 50% Clastics interbedded
95% dark brown to light brown Dolomite, 5% grey Sandstone
95% dark brown to light brown Dolomite, 5% grey Sandstone
Limestone, dolomite and anhydrite
Shale dark brown, bitumen, "oil shale"
Shale medium brown, medium dark grey, occassionally blocky, moderately h
60% brown Dolomite, 10% grey Conglomerate, 30% grey Sandstone

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
284	335	L390-30 - Arco St. Joseph 1 - Sa	26	Y	861.28	858.99	861.28
3264	698	862	31	Y	862		
3596	40	NBDNR-05	38	Y	862.58	850.392	862.584
3635	402	10-2830ft	39	Y	862.58	856.49	862.58
3265	698	864	31	Y	864		
3266	698	866	31	Y	866		
3267	698	868	31	Y	868		
3268	698	870	31	Y	870		
3269	698	872	31	Y	872		
3270	698	874	31	Y	874		
474	332	ESC1-875	19	Y	875		
3271	698	876	31	Y	876		
3600	318	NBDNR-09	38	Y	876	869.29	876
3272	698	878	31	Y	878		
404	331	ICSC1 -880	25	Y	880		
475	332	ICESC1-880	25	Y	880		
3273	698	880	31	Y	880		
3274	698	882	31	Y	882		
3275	698	884	31	Y	884		
3719	254	2903'	21	Y	884.83		884.834
3276	698	886	31	Y	886		
3277	698	888	31	Y	888		
193	147	Lee Brook 1 -890	25	Y	890		
3278	698	890	31	Y	890		
3279	698	892	31	Y	892		
3610	553	NBDNR-36	38	Y	892.15	890.016	892.15
3280	698	894	31	Y	894		
218	147	ICLee Brk1 -895	25	Y	895		
3281	698	896	31	Y	896		
3282	698	898	31	Y	898		
3733	299	2891-2947'	21	Y	898.25	881.1768	898.246
1755	553	Killarney #3	1	Y	899.16	896.11	899.16
405	331	ICSC1 -900	25	Y	900		
476	332	ICESC1-900	25	Y	900		
3283	698	900	31	Y	900		
3284	698	902	31	Y	902		
3285	698	904	31	Y	904		
3286	698	906	31	Y	906		

Depth_m	Calc_Elevatio	Group	Formation	Member
860	-815.56	Horton	Albert	
862	-755.64	Horton	Albert	Fredericks Bro
	-566.92	Horton	Albert	
	-848.25			
864	-757.64	Horton	Albert	Fredericks Bro
866	-759.64	Horton	Albert	Fredericks Bro
868	-761.64	Horton	Albert	Fredericks Bro
870	-763.64	Horton	Albert	Fredericks Bro
872	-765.64	Horton	Albert	Fredericks Bro
874	-767.64	Horton	Albert	Fredericks Bro
875	-814.73	Horton	Albert	
876	-769.64	Horton	Albert	Fredericks Bro
	-838.5	Horton	Albert	
878	-771.64	Horton	Albert	Fredericks Bro
880	-793.53	Horton	Albert	
880	-819.73	Horton	Albert	
880	-773.64	Horton	Albert	Fredericks Bro
882	-775.64	Horton	Albert	Fredericks Bro
884	-777.64	Horton	Albert	Fredericks Bro
	-764.43			
886	-779.64	Horton	Albert	Fredericks Bro
888	-781.64	Horton	Albert	Fredericks Bro
890	-731.87	Horton	Albert	
890	-783.64	Horton	Albert	Fredericks Bro
892	-785.64	Horton	Albert	Fredericks Bro
	-826.91	Mabou	Shin	
894	-787.64	Horton	Albert	Fredericks Bro
895	-736.87	Horton	Albert	
896	-789.64	Horton	Albert	Fredericks Bro
898	-791.64	Horton	Albert	Fredericks Bro
	-782.43			
	-833.92	Windsor		
900	-813.53	Horton	Albert	
900	-839.73	Horton	Albert	
900	-793.64	Horton	Albert	Fredericks Bro
902	-795.64	Horton	Albert	Fredericks Bro
904	-797.64	Horton	Albert	Fredericks Bro
906	-799.64	Horton	Albert	Fredericks Bro

Sample_Description
Hackly fractured, dark grey, mudstone, noncalcareous, nondolomitic, 2 pyrite,
60% brown Dolomite, 10% grey Conglomerate, 30% grey Sandstone
dark grey Shale, bituminous, slightly calcareous
95% medium grey Shale, 5% Siltstone
60% brown Dolomite, 10% grey Conglomerate, 30% grey Sandstone
60% brown Dolomite, 10% grey Conglomerate, 30% grey Sandstone
85% grey to grey brown Conglomerate, 10% grey Sandstone, 5% grey to grey
dark brown to brown Dolomite, 95 to 97% high grade
dark brown to brown Dolomite, 95 to 97% high grade
dark brown to brown Dolomite, 95 to 97% high grade
Shale medium brown, medium dark grey, occassionally blocky, moderately h
dark brown to brown Dolomite, 95 to 97% high grade
grey Shale and Siltstone, bituminous, +/- Albertite
dark brown to brown Dolomite, 95 to 97% high grade
Shale dark brown, bitumen, "oil shale"
Shale medium brown, medium dark grey, dolomitic, occassionally blocky, mo
dark brown to brown Dolomite, 95 to 97% high grade
dark brown to brown Dolomite, 95 to 97% high grade
dark brown to brown Dolomite, 95 to 97% high grade
dark brown to brown Dolomite, 95 to 97% high grade
dark brown to brown Dolomite, 95 to 97% high grade
Sandstone fine grainedspotty brown oil, 20% spotty, 3-5% porosity choked wit
dark brown to brown Dolomite, 95 to 97% high grade
50% grey Sandstone, 50% dark brown Dolostone
grey Shale
50% grey Sandstone, 50% dark brown Dolostone
Shale dark, slightly bituminous, 30-35% Sandstone, porosity choked with dea
50% grey brown Dolomite, 50% grey Sandstone with minor bleeding, interbed
50% grey brown Dolomite, 50% grey Sandstone with minor bleeding, interbed
black grey Shale, bit.
Medium grey,calcareous, micro-micaceous, slightly silty shale
Shale medium brownish grey, dark grey, bitumen
Shale dark grey moderately hd, blocky- platey, slightly fissile, dolomitic, slight
brown black Claystone
brown black Claystone
brown black Claystone
brown black Claystone

General_Note	Sample_Type	Palynology
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Tmax data not reliable due to poor S2 peak		☐
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	Cuttings	☐
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No isolated kerogen; only three vitrinite grain		☐
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Windsor?		☑
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
3287	698	908	31	Y	908		
447	332	ESC 1 -910	25	Y	910		
3288	698	910	31	Y	910		
3289	698	912	31	Y	912		
3290	698	914	31	Y	914		
586	336	L390-40 - Arco St. Joseph 2 - Sa	26	Y	914.63	914.56	914.63
3291	698	916	31	Y	916		
3292	698	918	31	Y	918		
3723	267	2884-3013'	21	Y	918.36	879.0432	918.362
365	331	ICSC1 -920	25	Y	920		
478	332	ICESC1-920	25	Y	920		
3293	698	920	31	Y	920		
3294	698	922	31	Y	922		
3690	55	C-090401	33	Y	922.63	918.06	922.63
3295	698	924	31	Y	924		
408	331	ICSC1 -925	25	Y	925		
3296	698	926	31	Y	926		
3297	698	928	31	Y	928		
3298	698	930	31	Y	930		
3299	698	932	31	Y	932		
3300	698	934	31	Y	934		
3301	698	936	31	Y	936		
3302	698	938	31	Y	938		
409	331	ICSC1 -940	25	Y	940		
479	332	ICESC1-940	25	Y	940		
2866	41	Sample Bag # 3100ft	35	Y	940		
3303	698	940	31	Y	940		
3734	299	3058-3090'	21	Y	941.83	932.0784	941.832
3304	698	942	31	Y	942		
3305	698	944	31	Y	944		
27	38	UPC McLeod Bk -3100	7	Y	944.88		
480	332	ESC1-945	19	Y	945		
3306	698	946	31	Y	946		
3307	698	948	31	Y	948		
360	329	St Joseph #1 -3116	7	Y	949.76		
194	147	ICLee Brk1 -950	25	Y	950		
481	332	ICESC1-950	25	Y	950		
3308	698	950	31	Y	950		

Depth_m	Calc_Elevatio	Group	Formation	Member
908	-801.64	Horton	Albert	Fredericks Bro
910	-849.73	Horton	Albert	
910	-803.64	Horton	Albert	Fredericks Bro
912	-805.64	Horton	Albert	Fredericks Bro
914	-807.64	Horton	Albert	Fredericks Bro
914	-864.34	Horton	Albert	
916	-809.64	Horton	Albert	Fredericks Bro
918	-811.64	Horton	Albert	Fredericks Bro
	-835.45			
920	-833.53	Horton	Albert	
920	-859.73	Horton	Albert	
920	-813.64	Horton	Albert	Fredericks Bro
922	-815.64	Horton	Albert	Fredericks Bro
	-844.88	Windsor		
924	-817.64	Horton	Albert	Fredericks Bro
925	-838.53	Horton	Albert	
926	-819.64	Horton	Albert	Fredericks Bro
928	-821.64	Horton	Albert	Fredericks Bro
930	-823.64	Horton	Albert	Fredericks Bro
932	-825.64	Horton	Albert	Fredericks Bro
934	-827.64	Horton	Albert	Fredericks Bro
936	-829.64	Horton	Albert	Fredericks Bro
938	-831.64	Horton	Albert	Fredericks Bro
940	-853.53	Horton	Albert	
940	-879.73	Horton	Albert	
940	-819.61	Horton	Albert	
940	-833.64	Horton	Albert	Fredericks Bro
	-826.01			
942	-835.64	Horton	Albert	Fredericks Bro
944	-837.64	Horton	Albert	Fredericks Bro
944.88	-827.23	Horton	Albert	
945	-884.73	Horton	Albert	
946	-839.64	Horton	Albert	Fredericks Bro
948	-841.64	Horton	Albert	Fredericks Bro
949.76	-907.53	Horton	Albert	
950	-791.87	Horton	Albert	
950	-889.73	Horton	Albert	
950	-843.64	Horton	Albert	Fredericks Bro

Sample_Description
brown black Claystone
Shale dark grey, moderate hd, blocky to platy
brown black Claystone
60% black Claystone, 30% grey Claystone, 10% brown Claystone, slightly ker
60% black Claystone, 30% grey Claystone, 10% brown Claystone, slightly ker
Plastically flow folded, dark grey brown, mudstone, noncalcareous, moderate
60% black Claystone, 30% grey Claystone, 10% brown Claystone, slightly ker
60% black Claystone, 30% grey Claystone, 10% brown Claystone, slightly ker
Shale, sandstone
Shale dark brown-black, bitumen, very fine pyrite carb, plant fragments
Shale dark grey moderately hd, blocky- platey, slightly fissile, dolomitic, slight
60% black Claystone, 30% grey Claystone, 10% brown Claystone, slightly ker
60% black Claystone, 30% grey Claystone, 10% brown Claystone, slightly ker
Grey siltstone or mudstone
60% black Claystone, 30% grey Claystone, 10% brown Claystone, slightly ker
Shale dark brown - black, bitumen, plant fragments
95% brown grey to brown Dolomite, 5% grey Sandstone
95% brown grey to brown Dolomite, 5% grey Sandstone
95% brown grey to brown Dolomite, 5% grey Sandstone
95% brown grey to brown Dolomite, 5% grey Sandstone
95% brown grey to brown Dolomite, 5% grey Sandstone
95% brown grey to brown Dolomite, 5% grey Sandstone
95% brown grey to brown Dolomite, 5% grey Sandstone
Shale black, carbonaceous, micro-micaceous, very fine pyrite, subblocky
Shale dark grey moderately hd, blocky- platey, slightly fissile, dolomitic, slight
Shale mainly dark brown, sideritic, pyritic
95% brown grey to brown Dolomite, 5% grey Sandstone
black grey Shale, bit.
75% brown grey to grey brown Dolomite, 25% grey Sandstone coarse graine
75% brown grey to grey brown Dolomite, 25% grey Sandstone coarse graine
Sh: Dark grey, non-calcareous, non-dolomitic silty shale.
Shale dark grey moderately hd, blocky- platey, slightly fissile, dolomitic, slight
75% brown grey to grey brown Dolomite, 25% grey Sandstone coarse graine
75% brown grey to grey brown Dolomite, 25% grey Sandstone coarse graine
Dark grey kerogenous shale.
Shale medium to dark grey trace dead oil
Shale dark grey moderately hd, blocky- platey, slightly fissile, dolomitic, slight
75% brown grey to grey brown Dolomite, 25% grey Sandstone coarse graine

General_Note	Sample_Type	Palynology
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	Cuttings	☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
366	331	ICSC1 -951	25	Y	951		
3309	698	952	31	Y	952		
3310	698	954	31	Y	954		
367	331	ICSC1 -955	25	Y	955		
3311	698	956	31	Y	956		
3312	698	958	31	Y	958		
3637	239	12-3148ft	39	Y	959.51	956.77	959.51
482	332	ICESC1-960	25	Y	960		
3313	698	960	31	Y	960		
3314	698	962	31	Y	962		
3315	698	964	31	Y	964		
3316	698	966	31	Y	966		
3317	698	968	31	Y	968		
3318	698	970	31	Y	970		
3319	698	972	31	Y	972		
3320	698	974	31	Y	974		
41	38	3200	17	Y	975.36	972.312	975.36
3321	698	976	31	Y	976		
3322	698	978	31	Y	978		
483	332	ICESC1-980	25	Y	980		
3323	698	980	31	Y	980		
3324	698	982	31	Y	982		
3325	698	984	31	Y	984		
3326	698	986	31	Y	986		
42	38	3240	17	Y	987.55	984.504	987.552
368	331	ICSC1 -988	25	Y	987.8		
3327	698	988	31	Y	988		
3735	299	3229-3244'	21	Y	988.77	984.1992	988.771
1832	147	Lee Brook 1 -989.6	28	Y	989.6		
3328	698	990	31	Y	990		
3329	698	992	31	Y	992		
3724	267	3144-3257'	21	Y	992.73	958.2912	992.734
3330	698	994	31	Y	994		
265	334	LR1-995	19	Y	995		
3331	698	996	31	Y	996		
3332	698	998	31	Y	998		
413	331	ICSC1 -1000	25	Y	1000		
484	332	ICESC1-1000	25	Y	1000		

Depth_m	Calc_Elevatio	Group	Formation	Member
951	-864.53	Horton	Albert	
952	-845.64	Horton	Albert	Fredericks Bro
954	-847.64	Horton	Albert	Fredericks Bro
955	-868.53	Horton	Albert	
956	-849.64	Horton	Albert	Fredericks Bro
958	-851.64	Horton	Albert	Fredericks Bro
	-842.77	Horton		
960	-899.73	Horton	Albert	
960	-853.64	Horton	Albert	Fredericks Bro
962	-855.64	Horton	Albert	Fredericks Bro
964	-857.64	Horton	Albert	Fredericks Bro
966	-859.64	Horton	Albert	Fredericks Bro
968	-861.64	Horton	Albert	Fredericks Bro
970	-863.64	Horton	Albert	Fredericks Bro
972	-865.64	Horton	Albert	Fredericks Bro
974	-867.64	Horton	Albert	Fredericks Bro
	-857.71	Horton	Albert	
976	-869.64	Horton	Albert	Fredericks Bro
978	-871.64	Horton	Albert	Fredericks Bro
980	-919.73	Horton	Albert	
980	-873.64	Horton	Albert	Fredericks Bro
982	-875.64	Horton	Albert	Fredericks Bro
984	-877.64	Horton	Albert	Fredericks Bro
986	-879.64	Horton	Albert	Fredericks Bro
	-869.9	Horton	Albert	
987.8	-901.33	Horton	Albert	
988	-881.64	Horton	Albert	Fredericks Bro
	-872.95			
989.6	-831.47	Horton	Albert	
990	-883.64	Horton	Albert	Fredericks Bro
992	-885.64	Horton	Albert	Fredericks Bro
	-909.82			
994	-887.64	Horton	Albert	Fredericks Bro
995	-829.1	Horton	Albert	
996	-889.64	Horton	Albert	Fredericks Bro
998	-891.64	Horton	Albert	Fredericks Bro
1000	-913.53	Horton	Albert	
1000	-939.73	Horton	Albert	

Sample_Description
Sandstone silty 2-3% porositiy, tr pp bldg oil
75% brown grey to grey brown Dolomite, 25% grey Sandstone coarse graine
75% brown grey to grey brown Dolomite, 25% grey Sandstone coarse graine
Shale black varved, mic-mica, carb, pyrite pebbles
75% brown grey to grey brown Dolomite, 25% grey Sandstone coarse graine
80% brown grey Dolomite, dark oil staining, 20% grey Sandstone coarse grai
Marl dark red and chocolate brown
Shale dark grey moderately hd, blocky- platey, slightly fissile, dolomitic, slight
80% brown grey Dolomite, dark oil staining, 20% grey Sandstone coarse grai
80% brown grey Dolomite, dark oil staining, 20% grey Sandstone coarse grai
80% brown grey Dolomite, dark oil staining, 20% grey Sandstone coarse grai
80% brown grey Dolomite, dark oil staining, 20% grey Sandstone coarse grai
80% brown grey Dolomite, dark oil staining, 20% grey Sandstone coarse grai
90% brown grey to grey brown Dolomite, 10% grey Sandstone coarse graine
90% brown grey to grey brown Dolomite, 10% grey Sandstone coarse graine
90% brown grey to grey brown Dolomite, 10% grey Sandstone coarse graine
Sh: dark grey, petrolif, suspected cavings
90% grey brown Claystone, oil stained, 10% grey Sandstone medium grained
90% grey brown Claystone, oil stained, 10% grey Sandstone medium grained
Shale dark grey moderately hd, blocky- platey, slightly fissile, dolomitic, slight
90% brown grey to grey brown Dolomite, 10% grey Sandstone
90% brown grey to grey brown Dolomite, 10% grey Sandstone
90% brown grey to grey brown Dolomite, 10% grey Sandstone
90% brown grey to grey brown Dolomite, 10% grey Sandstone
Sh: dark grey, petrolif, suspected cavings
Sandstone laminations are very fine grained, silty , grdg to slst
90% brown grey to grey brown Dolomite, 10% grey Sandstone
black grey Shale
Sandstone with thin shale bands and argillaceous
90% brown grey to grey brown Dolomite, 10% grey Sandstone
90% brown grey to grey brown Dolomite, 10% grey Sandstone
Shale, black grey, sub bihbards
90% brown grey to grey brown Dolomite, 10% grey Sandstone
Shale reddish brown, 25% silty shale
90% brown grey to grey brown Dolomite, 10% grey Sandstone
90% brown grey to grey brown Dolomite, 10% grey Sandstone
Shale black, slightly bituminous, carbonaceous, micro-micaceous
Shale light - medium grey, grey brown, minor dark grey, moderately hd, subfis

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
1831	147	ICLee Brk1 -1000	25	Y	1000		
3333	698	1000	31	Y	1000		
3334	698	1002	31	Y	1002		
3335	698	1004	31	Y	1004		
3336	698	1004	31	Y	1004		
3337	698	1006	31	Y	1006		
3338	698	1006	31	Y	1006		
3339	698	1008	31	Y	1008		
285	335	L390-31 - Arco St. Joseph 1 - Sa	26	Y	1009.91	1008.38	1009.91
3340	698	1010	31	Y	1010		
43	38	3320	17	Y	1011.94	1008.888	1011.94
3341	698	1012	31	Y	1012		
3342	698	1014	31	Y	1014		
485	332	ESC1-1015	19	Y	1015		
3343	698	1016	31	Y	1016		
3344	698	1018	31	Y	1018		
3648	712	24-1018	39	Y	1018.4		
486	332	ICESC1-1020	25	Y	1020		
3345	698	1020	31	Y	1020		
3346	698	1022	31	Y	1022		
3347	698	1024	31	Y	1024		
3711	324	3280-3360'	21	Y	1024.13	999.744	1024.13
3348	698	1026	31	Y	1026		
3349	698	1028	31	Y	1028		
195	147	Lee Brook 1 -1030	25	Y	1030		
3350	698	1030	31	Y	1030		
3351	698	1032	31	Y	1032		
3727	290	3317-3387'	21	Y	1032.36	1011	1032.36
3352	698	1034	31	Y	1034		
3353	698	1036	31	Y	1036		
44	38	3400	17	Y	1036.32	1033.272	1036.32
3354	698	1038	31	Y	1038		
414	331	ICSC1 -1040	25	Y	1040		
487	332	ICESC1-1040	25	Y	1040		
3355	698	1040	31	Y	1040		
3356	698	1042	31	Y	1042		
3357	698	1044	31	Y	1044		
45	38	3430	17	Y	1045.46	1042.416	1045.46

Depth_m	Calc_Elevatio	Group	Formation	Member
1000	-841.87	Horton	Albert	
1000	-893.64	Horton	Albert	Fredericks Bro
1002	-895.64	Horton	Albert	Fredericks Bro
1004	-897.64	Horton	Albert	Fredericks Bro
1004	-897.64	Horton	Albert	Fredericks Bro
1006	-899.64	Horton	Albert	Fredericks Bro
1006	-899.64	Horton	Albert	Fredericks Bro
1008	-901.64	Horton	Albert	Fredericks Bro
1009	-964.19	Horton	Albert	
1010	-903.64	Horton	Albert	Fredericks Bro
	-894.29	Horton	Albert	
1012	-905.64	Horton	Albert	Fredericks Bro
1014	-907.64	Horton	Albert	Fredericks Bro
1015	-954.73	Horton	Albert	
1016	-909.64	Horton	Albert	Fredericks Bro
1018	-911.64	Horton	Albert	Fredericks Bro
1018.4	-911.4	Horton	Albert	
1020	-959.73	Horton	Albert	
1020	-913.64	Horton	Albert	Fredericks Bro
1022	-915.64	Horton	Albert	Fredericks Bro
1024	-917.64	Horton	Albert	Fredericks Bro
	-944.58	Horton	Albert	
1026	-919.64	Horton	Albert	Fredericks Bro
1028	-921.64	Horton	Albert	Fredericks Bro
1030	-871.87	Horton	Albert	
1030	-923.64	Horton	Albert	Fredericks Bro
1032	-925.64	Horton	Albert	Fredericks Bro
	-977.36			
1034	-927.64	Horton	Albert	Fredericks Bro
1036	-929.64	Horton	Albert	Fredericks Bro
	-918.67	Horton	Albert	
1038	-931.64	Horton	Albert	Fredericks Bro
1040	-953.53	Horton	Albert	
1040	-979.73	Horton	Albert	
1040	-933.64	Horton	Albert	Fredericks Bro
1042	-935.64	Horton	Albert	Fredericks Bro
1044	-937.64	Horton	Albert	Fredericks Bro
	-927.81	Horton	Albert	

Sample_Description
Sandstone fine to medium to coarse grained, dead oil specks
90% brown grey to grey brown Dolomite, 10% grey Sandstone
90% brown grey to grey brown Dolomite, oil stained, 10% grey Sandstone
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
Hackly fractured, dark brown grey, mudstone to fine grained siltstone, noncal
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
Ss: light grey, fine grained, qtzos. S rnd md srtd, calc sil cmt
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
Shale light - medium grey, grey brown, minor dark grey, moderately hd, subfis
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
red calcareous Claystone with local beds of grey red Sandstone
Shale light - medium grey, grey brown, minor dark grey, moderately hd, subfis
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
98% brown grey to grey brown Dolomite, 2% grey Sandstone coarse grained
60% brown grey to brown Dolomite, 5% grey Conglomerate intraformational,
60% brown grey to brown Dolomite, 5% grey Conglomerate intraformational,
dark brown grey to black brown Dolomite
Sandstone & Conglomerate minor shale
dark brown grey to black brown Dolomite
dark brown grey to black brown Dolomite
30% grey Sandstone, coarse grained, 70% brown grey to grey brown Dolomit
30% grey Sandstone, coarse grained, 70% brown grey to grey brown Dolomit
Sh: dark grey, petrolif, abundant slks, nods bf cryptxln dol.
30% grey Sandstone, coarse grained, 70% brown grey to grey brown Dolomit
Shale dark grey, black subplaty
Shale light - medium grey, grey brown, minor dark grey, moderately hd, subfis
30% grey Sandstone, coarse grained, 70% brown grey to grey brown Dolomit
30% grey Sandstone, coarse grained, 70% brown grey to grey brown Dolomit
30% grey Sandstone, coarse grained, 70% brown grey to grey brown Dolomit
Sh: grey-dark grey, petrolif, silty in pt.

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3358	698	1046	31	Y	1046		
3359	698	1048	31	Y	1048		
2867	41	Sample Bag # 3460ft	35	Y	1050		
3360	698	1050	31	Y	1050		
3601	318	NBDNR-10	38	Y	1050.34	1045.159	1050.34
3361	698	1052	31	Y	1052		
86	38	UPMacLeod Brk1 -1054	25	Y	1054		
3362	698	1054	31	Y	1054		
105	42	Urney #1 -3460	22	Y	1054.61		
3363	698	1056	31	Y	1056		
3364	698	1058	31	Y	1058		
3736	299	3447-3473'	21	Y	1058.57	1050.646	1058.57
488	332	ICESC1-1060	25	Y	1060		
3365	698	1060	31	Y	1060		
46	38	3480	17	Y	1060.7	1057.656	1060.70
3366	698	1062	31	Y	1062		
3367	698	1064	31	Y	1064		
3368	698	1066	31	Y	1066		
3369	698	1068	31	Y	1068		
3370	698	1068	31	Y	1068		
47	38	3510	17	Y	1069.85	1066.8	1069.85
3371	698	1070	31	Y	1070		
3372	698	1070	31	Y	1070		
3373	698	1072	31	Y	1072		
3374	698	1074	31	Y	1074		
3375	698	1076	31	Y	1076		
3376	698	1078	31	Y	1078		
489	332	ICESC1-1080	25	Y	1080		
3377	698	1080	31	Y	1080		
3378	698	1082	31	Y	1082		
3379	698	1084	31	Y	1084		
48	38	3560	17	Y	1085.09	1082.04	1085.09
3380	698	1086	31	Y	1086		
3381	698	1088	31	Y	1088		
3382	698	1090	31	Y	1090		
3592	16	NBDNR-01	38	Y	1091.8		
3383	698	1092	31	Y	1092		
3384	698	1094	31	Y	1094		

Depth_m	Calc_Elevatio	Group	Formation	Member
1046	-939.64	Horton	Albert	Fredericks Bro
1048	-941.64	Horton	Albert	Fredericks Bro
1050	-929.61	Horton	Albert	
1050	-943.64	Horton	Albert	Fredericks Bro
	-1012.84	Horton	Albert	
1052	-945.64	Horton	Albert	Fredericks Bro
1054	-936.35	Horton	Albert	
1054	-947.64	Horton	Albert	Fredericks Bro
1054.61	-902.21	Horton	Albert	
1056	-949.64	Horton	Albert	Fredericks Bro
1058	-951.64	Horton	Albert	Fredericks Bro
	-942.75			
1060	-999.73	Horton	Albert	
1060	-953.64	Horton	Albert	Fredericks Bro
	-943.05	Horton	Albert	
1062	-955.64	Horton	Albert	Fredericks Bro
1064	-957.64	Horton	Albert	Fredericks Bro
1066	-959.64	Horton	Albert	Fredericks Bro
1068	-961.64	Horton	Albert	Fredericks Bro
1068	-961.64	Horton	Albert	Fredericks Bro
	-952.2	Horton	Albert	
1070	-963.64	Horton	Albert	Fredericks Bro
1070	-963.64	Horton	Albert	Fredericks Bro
1072	-965.64	Horton	Albert	Fredericks Bro
1074	-967.64	Horton	Albert	Fredericks Bro
1076	-969.64	Horton	Albert	Fredericks Bro
1078	-971.64	Horton	Albert	Fredericks Bro
1080	-1019.73	Horton	Albert	
1080	-973.64	Horton	Albert	Fredericks Bro
1082	-975.64	Horton	Albert	Fredericks Bro
1084	-977.64	Horton	Albert	Fredericks Bro
	-967.44	Horton	Albert	
1086	-979.64	Horton	Albert	Fredericks Bro
1088	-981.64	Horton	Albert	Fredericks Bro
1090	-983.64	Horton	Albert	Fredericks Bro
1091.8	-979.8	Pictou	Minto	
1092	-985.64	Horton	Albert	Fredericks Bro
1094	-987.64	Horton	Albert	Fredericks Bro

Sample_Description
brown grey to grey brown 90% Dolomite, 10% Sandstone coarse grained
brown grey to grey brown 90% Dolomite, 10% Sandstone coarse grained
Shale dark grey, abundant waxy, some sandstone
brown grey to grey brown 90% Dolomite, 10% Sandstone coarse grained
Shale and Siltstone, locally quite bituminuous
brown grey to grey brown 90% Dolomite, 10% Sandstone coarse grained
Sh: grey-dark grey petrolif, slty in pt.
brown grey to grey brown 90% Dolomite, 10% Sandstone coarse grained
Shale bl grey to grey with some very dark almost black
brown grey to grey brown 90% Dolomite, 10% Sandstone coarse grained
brown grey to grey brown 95% Dolomite, 5% Sandstone coarse grained, oil st
Sandstone grey, black grey Shale
Shale light grey, moderately hd, blocky, pyrite, carbonaceous matter
brown grey to grey brown 95% Dolomite, 5% Sandstone coarse grained, oil st
Ss: grey, bf, qtzos, very fiine - fine grained
brown grey to grey brown 95% Dolomite, 5% Sandstone coarse grained, oil st
brown grey to grey brown 95% Dolomite, 5% Sandstone coarse grained, oil st
brown grey to grey brown 80% Dolomite, 20% Sandstone coarse grained, oil
grey brown to grey, 40% Dolomite, 60% Sandstone, minor oil staining
grey brown to grey, 40% Dolomite, 60% Sandstone, minor oil staining
Sh: dark grey, petrolif, slks.
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
Shale light grey, moderately hd, blocky, pyrite, carbonaceous matter
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
Sh: dark grey, petrolif, slks.
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey Mudstone
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
266	334	LR1-1095	19	Y	1095		
3385	698	1096	31	Y	1096		
3721	265	3504-3599'	21	Y	1096.98	1068.019	1096.98
3386	698	1098	31	Y	1098		
490	332	ICESC1-1100	25	Y	1100		
3387	698	1100	31	Y	1100		
3388	698	1102	31	Y	1102		
3389	698	1104	31	Y	1104		
3390	698	1106	31	Y	1106		
3391	698	1108	31	Y	1108		
3392	698	1110	31	Y	1110		
3393	698	1112	31	Y	1112		
3394	698	1114	31	Y	1114		
3395	698	1116	31	Y	1116		
3396	698	1118	31	Y	1118		
491	332	ICESC1-1120	25	Y	1120		
3397	698	1120	31	Y	1120		
3398	698	1122	31	Y	1122		
3399	698	1124	31	Y	1124		
3400	698	1126	31	Y	1126		
3401	698	1128	31	Y	1128		
587	336	L390-41 - Arco St. Joseph 2 - Sa	26	Y	1129.57	1125	1129.57
196	147	ICLee Brk1 -1130	25	Y	1130		
492	332	ESC1-1130	19	Y	1130		
3402	698	1130	31	Y	1130		
3403	698	1132	31	Y	1132		
3404	698	1134	31	Y	1134		
3405	698	1136	31	Y	1136		
3406	698	1138	31	Y	1138		
415	331	ICSC1 -1140	25	Y	1140		
493	332	ICESC1-1140	25	Y	1140		
3407	698	1140	31	Y	1140		
3408	698	1142	31	Y	1142		
3409	698	1142	31	Y	1142		
3623	708	NBDNR-25	38	Y	1143		
3410	698	1144	31	Y	1144		
3411	698	1146	31	Y	1146		
3412	698	1148	31	Y	1148		

Depth_m	Calc_Elevatio	Group	Formation	Member
1095	-929.1	Horton	Albert	
1096	-989.64	Horton	Albert	Fredericks Bro
	-1007.67			
1098	-991.64	Horton	Albert	Fredericks Bro
1100	-1039.73	Horton	Albert	
1100	-993.64	Horton	Albert	Fredericks Bro
1102	-995.64	Horton	Albert	Fredericks Bro
1104	-997.64	Horton	Albert	Fredericks Bro
1106	-999.64	Horton	Albert	Fredericks Bro
1108	-1001.64	Horton	Albert	Fredericks Bro
1110	-1003.64	Horton	Albert	Fredericks Bro
1112	-1005.64	Horton	Albert	Fredericks Bro
1114	-1007.64	Horton	Albert	Fredericks Bro
1116	-1009.64	Horton	Albert	Fredericks Bro
1118	-1011.64	Horton	Albert	Fredericks Bro
1120	-1059.73	Horton	Albert	
1120	-1013.64	Horton	Albert	Fredericks Bro
1122	-1015.64	Horton	Albert	Fredericks Bro
1124	-1017.64	Horton	Albert	Fredericks Bro
1126	-1019.64	Horton	Albert	Fredericks Bro
1128	-1021.64	Horton	Albert	Fredericks Bro
1127	-1079.28	Horton	Albert	
1130	-971.87	Horton	Albert	
1130	-1069.73	Horton	Albert	
1130	-1023.64	Horton	Albert	Fredericks Bro
1132	-1025.64	Horton	Albert	Fredericks Bro
1134	-1027.64	Horton	Albert	Fredericks Bro
1136	-1029.64	Horton	Albert	Fredericks Bro
1138	-1031.64	Horton	Albert	Fredericks Bro
1140	-1053.53	Horton	Albert	
1140	-1079.73	Horton	Albert	
1140	-1033.64	Horton	Albert	Fredericks Bro
1142	-1035.64	Horton	Albert	Fredericks Bro
1142	-1035.64	Horton	Albert	Fredericks Bro
1143	-1070	Horton	Albert	
1144	-1037.64	Horton	Albert	Fredericks Bro
1146	-1039.64	Horton	Albert	Fredericks Bro
1148	-1041.64	Horton	Albert	Fredericks Bro

Sample_Description
Shale reddish brown, trace limestone/marlstone nodules
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
Shale, sandstone
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
Shale light-medium grey, moderately hd, blocky-platey, subfillile, pyrite, carbo
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
grey brown to grey Claystone, minor trace kerogen, pyrite inclusions and redu
brown grey to grey brown Dolomite, pyrite inclusions
brown grey to grey brown Dolomite, pyrite inclusions
brown grey to grey brown Dolomite, pyrite inclusions
95% brown grey to grey brown Dolomite, 5% light grey Sandstone, coarse gra
95% brown grey to grey brown Dolomite, 5% light grey Sandstone, coarse gra
Sandstone light brown, light grey, v hd-hd, very fine to fine grained, dissemina
95% brown grey to grey brown Dolomite, 5% light grey Sandstone, coarse gra
30% light grey Sandstone, coarse grained, 40% light grey Sandstone, mediu
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
Muddy fine grained silt - mudstone with 10% waxy shale, medium dark brown
Sandstone very fine grained, minor shale
Sandstone light brown, light grey, v hd-hd, very fine to fine grained, dissemina
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
Sandstone brownish grey, very fine grained - fine grained, dead oil staining an
Sandstone light brown, light grey, v hd-hd, very fine to fine grained, dissemina
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
grey to white Claystone, 10-30% Sandstone
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3413	698	1150	31	Y	1150		
3414	698	1152	31	Y	1152		
3415	698	1154	31	Y	1154		
3416	698	1156	31	Y	1156		
3417	698	1158	31	Y	1158		
416	331	ICSC1 -1160	25	Y	1160		
494	332	ICESC1-1160	25	Y	1160		
3418	698	1160	31	Y	1160		
3419	698	1162	31	Y	1162		
3420	698	1164	31	Y	1164		
286	335	L390-32 - Arco St. Joseph 1 - Sa	26	Y	1164.63	1163.11	1164.63
3421	698	1166	31	Y	1166		
3422	698	1168	31	Y	1168		
3423	698	1170	31	Y	1170		
28	38	UPMacLeod Brk1 -1170.43	25	Y	1170.43		
3424	698	1172	31	Y	1172		
3425	698	1174	31	Y	1174		
417	331	ICSC1 -1175	25	Y	1175		
3426	698	1176	31	Y	1176		
3701	42	3758-3860'	21	Y	1176.53	1145.438	1176.53
3427	698	1178	31	Y	1178		
197	147	Lee Brook 1 -1180	25	Y	1180		
419	331	ICSC1 -1180	25	Y	1180		
495	332	ICESC1-1180	25	Y	1180		
3428	698	1180	31	Y	1180		
3429	698	1182	31	Y	1182		
3430	698	1184	31	Y	1184		
3431	698	1186	31	Y	1186		
3432	698	1188	31	Y	1188		
3433	698	1190	31	Y	1190		
3434	698	1192	31	Y	1192		
3435	698	1194	31	Y	1194		
3436	698	1196	31	Y	1196		
3722	265	3856-3929'	21	Y	1197.56	1175.309	1197.56
3437	698	1198	31	Y	1198		
496	332	ICESC1-1200	25	Y	1200		
3438	698	1200	31	Y	1200		
3439	698	1202	31	Y	1202		

Depth_m	Calc_Elevatio	Group	Formation	Member
1150	-1043.64	Horton	Albert	Fredericks Bro
1152	-1045.64	Horton	Albert	Fredericks Bro
1154	-1047.64	Horton	Albert	Fredericks Bro
1156	-1049.64	Horton	Albert	Fredericks Bro
1158	-1051.64	Horton	Albert	Dawson Settle
1160	-1073.53	Horton	Albert	
1160	-1099.73	Horton	Albert	
1160	-1053.64	Horton	Albert	Dawson Settle
1162	-1055.64	Horton	Albert	Dawson Settle
1164	-1057.64	Horton	Albert	Dawson Settle
1164	-1118.91	Horton	Albert	
1166	-1059.64	Horton	Albert	Dawson Settle
1168	-1061.64	Horton	Albert	Dawson Settle
1170	-1063.64	Horton	Albert	Dawson Settle
1170.43	-1052.78	Horton	Albert	
1172	-1065.64	Horton	Albert	Dawson Settle
1174	-1067.64	Horton	Albert	Dawson Settle
1175	-1088.53	Horton	Albert	
1176	-1069.64	Horton	Albert	Dawson Settle
	-1024.13	Horton	Albert	
1178	-1071.64	Horton	Albert	Dawson Settle
1180	-1021.87	Horton	Albert	
1180	-1093.53	Horton	Albert	
1180	-1119.73	Horton	Albert	
1180	-1073.64	Horton	Albert	Dawson Settle
1182	-1075.64	Horton	Albert	Dawson Settle
1184	-1077.64	Horton	Albert	Dawson Settle
1186	-1079.64	Horton	Albert	Dawson Settle
1188	-1081.64	Horton	Albert	Dawson Settle
1190	-1083.64	Horton	Albert	Dawson Settle
1192	-1085.64	Horton	Albert	Dawson Settle
1194	-1087.64	Horton	Albert	Dawson Settle
1196	-1089.64	Horton	Albert	Dawson Settle
	-1108.25			
1198	-1091.64	Horton	Albert	Dawson Settle
1200	-1139.73	Horton	Albert	
1200	-1093.64	Horton	Albert	Dawson Settle
1202	-1095.64	Horton	Albert	Dawson Settle

Sample_Description
95% brown grey to grey brown Dolomite, pyrite inclusions, 5% light grey Sand
10% grey brown Dolomite, 10% light grey Sandstone, coarse grained, 80% gr
10% grey brown Dolomite, 10% light grey Sandstone, coarse grained, 80% gr
grey brown Dolomite
grey brown Dolomite
Sandstone light brown, very fine grained, fine grained, dead organic res, dead
Sandstone light grey-light brown, light grey, v hd, very fine grained, dissemina
grey to greybrown Sandy Claystone
50% grey to grey brown Claystone, 50% light grey Sandstone, coarse grained
50% grey to grey brown Claystone, 50% light grey Sandstone, coarse grained
Hackly fractured, dark brown grey, muddy silt to silt, very slightly calcareous,
98% dark grey Claystone, 2% light grey Sandstone, coarse grained
98% dark grey Claystone, 2% light grey Sandstone, coarse grained
98% dark grey Claystone, 2% light grey Sandstone, coarse grained
Sh: grey-dark grey, petrolif, in pt silty, few nods dol.
98% dark grey Claystone, 2% light grey Sandstone, coarse grained
30% light grey Conglomerate, seeping, 70% dark grey Sandy Claystone
Sandstone brown staining, dead oil residue, Shale medium to dark brown, sli
30% light grey Conglomerate, seeping, 70% dark grey Sandy Claystone
95% dark grey Claystone, 5% grey Sandstone, coarse grained
Sandstone light grey light brownish, very fine grained
Shale black carbonaceous, pyritic, Sandstone light brown staining very fine to
Shale dark - medium grey, hd, blocky, slightly subfissile, disseminated pyrite
95% dark grey Claystone, 5% grey Sandstone, coarse grained
95% dark grey Claystone, 5% grey Sandstone, coarse grained
95% dark grey Claystone, 5% grey Sandstone, coarse grained
95% dark grey Claystone, 5% grey Sandstone, coarse grained
95% dark grey Claystone, 5% grey Sandstone, coarse grained
90% light to dark grey Claystone, 10% light grey Sandstone, coarse grained
90% light to dark grey Claystone, 10% light grey Sandstone, coarse grained
90% light to dark grey Claystone, 10% light grey Sandstone, coarse grained
90% light to dark grey Claystone, 10% light grey Sandstone, coarse grained
Shale, minor sandstone
70% grey Claystone, 30% light grey Sandstone, medium to coarse grained
Sandstone light grey and white mottled, v hd, slightly platey - blocky
70% grey Claystone, 30% light grey Sandstone, medium to coarse grained
70% grey Claystone, 30% light grey Sandstone, medium to coarse grained

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3440	698	1204	31	Y	1204		
198	147	Lee Brook 1 -1205	25	Y	1205		
3441	698	1206	31	Y	1206		
3442	698	1208	31	Y	1208		
3443	698	1210	31	Y	1210		
3444	698	1212	31	Y	1212		
3445	698	1214	31	Y	1214		
267	334	LR1-1215	19	Y	1215		
3446	698	1216	31	Y	1216		
3447	698	1218	31	Y	1218		
49	38	4000	17	Y	1219.2	1216.152	1219.2
199	147	ICLee Brk1 -1220	25	Y	1220		
420	331	ICSC1 -1220	25	Y	1220		
497	332	ICESC1-1220	25	Y	1220		
3448	698	1220	31	Y	1220		
3449	698	1222	31	Y	1222		
3450	698	1224	31	Y	1224		
3451	698	1226	31	Y	1226		
3452	698	1228	31	Y	1228		
88	38	UPMacLeod Brk1 -1228	25	Y	1228.34		
287	335	L390-33 - Arco St. Joseph 1 - Sa	26	Y	1229.27	1227.13	1229.27
200	147	Lee Brook 1 -1230	25	Y	1230		
3453	698	1230	31	Y	1230		
3454	698	1232	31	Y	1232		
3455	698	1234	31	Y	1234		
50	38	4050	17	Y	1234.44	1231.392	1234.44
498	332	ESC1-1235	19	Y	1235		
3456	698	1236	31	Y	1236		
3457	698	1238	31	Y	1238		
421	331	ICSC1 -1240	25	Y	1240		
499	332	ICESC1-1240	25	Y	1240		
3458	698	1240	31	Y	1240		
3459	698	1242	31	Y	1242		
3460	698	1244	31	Y	1244		
422	331	ICSC1 -1245	25	Y	1245		
3461	698	1246	31	Y	1246		
51	38	4090	17	Y	1246.63	1243.584	1246.63
3462	698	1248	31	Y	1248		

Depth_m	Calc_Elevatio	Group	Formation	Member
1204	-1097.64	Horton	Albert	Dawson Settle
1205	-1046.87	Horton	Albert	
1206	-1099.64	Horton	Albert	Dawson Settle
1208	-1101.64	Horton	Albert	Dawson Settle
1210	-1103.64	Horton	Albert	Dawson Settle
1212	-1105.64	Horton	Albert	Dawson Settle
1214	-1107.64	Horton	Albert	Dawson Settle
1215	-1049.1	Horton	Albert	
1216	-1109.64	Horton	Albert	Dawson Settle
1218	-1111.64	Horton	Albert	Dawson Settle
	-1101.55	Horton	Albert	
1220	-1061.87	Horton	Albert	
1220	-1133.53	Horton	Albert	
1220	-1159.73	Horton	Albert	
1220	-1113.64	Horton	Albert	Dawson Settle
1222	-1115.64	Horton	Albert	Dawson Settle
1224	-1117.64	Horton	Albert	Dawson Settle
1226	-1119.64	Horton	Albert	Dawson Settle
1228	-1121.64	Horton	Albert	Dawson Settle
1228.34	-1110.69	Horton	Albert	
1228	-1183.55	Horton	Albert	
1230	-1071.87	Horton	Albert	
1230	-1123.64	Horton	Albert	Dawson Settle
1232	-1125.64	Horton	Albert	Dawson Settle
1234	-1127.64	Horton	Albert	Dawson Settle
	-1116.79	Horton	Albert	
1235	-1174.73	Horton	Albert	
1236	-1129.64	Horton	Albert	Dawson Settle
1238	-1131.64	Horton	Albert	Dawson Settle
1240	-1153.53	Horton	Albert	
1240	-1179.73	Horton	Albert	
1240	-1133.64	Horton	Albert	Dawson Settle
1242	-1135.64	Horton	Albert	Dawson Settle
1244	-1137.64	Horton	Albert	Dawson Settle
1245	-1158.53	Horton	Albert	
1246	-1139.64	Horton	Albert	Dawson Settle
	-1128.98	Horton	Albert	
1248	-1141.64	Horton	Albert	Dawson Settle

Sample_Description
grey, 50% Claystone, pyrite nodules, 50% Conglomerate, intraformational, ve
Trip Sample Shale dark brownish, slightly dolomitic, slightly bituminous, will n
grey, 50% Claystone, pyrite nodules, 50% Conglomerate, intraformational, ve
grey Sandy Claystone, pyrite nodules
grey Sandy Claystone, pyrite nodules
grey Sandy Claystone, pyrite nodules
70% dark grey Claystone, 20% light grey Sandstone, coarse grained, 10% gr
Siltstone 45-50% white light grey, 30% Shale reddish brown, 10-15% Sandsto
70% dark grey Claystone, 20% light grey Sandstone, coarse grained, 10% gr
70% dark grey Claystone, 20% light grey Sandstone, coarse grained, 10% gr
Sh: grey-dark grey, petrolif, abundant slks.
Shale dark brown, slightly bituminous, dolomitic
Shale medium- dark brown, partly brownish grey, bitumen, very fine dissemin
Siltstone light grey - tan, moderately hd - hd, subplatey - blocky
70% dark grey Claystone, 20% light grey Sandstone, coarse grained, 10% gr
70% dark grey Claystone, 20% light grey Sandstone, coarse grained, 10% gr
dark grey Claystone, with pyrite nodules and veinlets, minor light grey coarse
grey 60% Conglomerate, 40% Claystone both with pyrite nodules and veinlets
80% dark grey Claystone, 10% light grey Conglomerate, 5% light grey Sandst
Ss: bf, very fine grained, qtzos, s ang, w srtd, arg-dol-sil cmt
Hackly fractured with micro laminated with kerogen laminae, dark brown grey,
Shale slightly bituminous to bituminous
80% dark grey Claystone, 10% light grey Conglomerate, 5% light grey Sandst
80% dark grey Claystone, 10% light grey Conglomerate, 5% light grey Sandst
80% dark grey Claystone, 10% light grey Conglomerate, 5% light grey Sandst
Sh: grey-brown-dark grey, trace bf Ss
Sandstone light grey, mod hd, very fine- fine grained, rr dead oil speck
80% dark grey Claystone, 10% light grey Conglomerate, 5% light grey Sandst
80% dark grey Claystone, 10% light grey Conglomerate, 5% light grey Sandst
Shale dark brown, bitumen, very fine pyrite
Sandstone light grey, mod hd, very fine- fine grained, rr dead oil speck
80% dark grey Claystone, 10% light grey Conglomerate, 5% light grey Sandst
dark grey Claystone
dark grey Claystone
Shale dark brown, bitumen, very fine pyrite
dark grey Sandy Claystone
Sh: grey-brown, petrolif, in pt silty, trace Ss
dark grey Claystone, local interbedded light grey Sandstone

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
2868	147	Sample Bag # 1250m	35	Y	1250		
3463	698	1250	31	Y	1250		
3464	698	1252	31	Y	1252		
3465	698	1254	31	Y	1254		
3466	698	1256	31	Y	1256		
3467	698	1258	31	Y	1258		
29	38	McLeod Brook 1 -1258.85	25	Y	1258.85		
423	331	ICSC1 -1260	25	Y	1260		
500	332	ICESC1-1260	25	Y	1260		
3468	698	1260	31	Y	1260		
3597	40	NBDNR-06	38	Y	1261.87	1249.68	1261.87
3469	698	1262	31	Y	1262		
3470	698	1264	31	Y	1264		
3471	698	1266	31	Y	1266		
3472	698	1268	31	Y	1268		
201	147	Lee Brook 1 -1270	25	Y	1270		
3473	698	1270	31	Y	1270		
353	328	Berryton#1-4070-4170	21	Y	1271.02	1240.536	1271.02
3474	698	1272	31	Y	1272		
3475	698	1274	31	Y	1274		
501	332	ICESC1-1275	25	Y	1275		
3476	698	1276	31	Y	1276		
3477	698	1278	31	Y	1278		
202	147	Lee Brook 1 -1280	25	Y	1280		
424	331	ICSC1 -1280	25	Y	1280		
3478	698	1280	31	Y	1280		
3479	698	1282	31	Y	1282		
3480	698	1284	31	Y	1284		
3481	698	1286	31	Y	1286		
52	38	4220	17	Y	1286.26	1283.208	1286.26
3482	698	1288	31	Y	1288		
3483	698	1290	31	Y	1290		
3484	698	1292	31	Y	1292		
349	328	Berryton #1 -4241	7	Y	1292.66		
3485	698	1294	31	Y	1294		
268	334	LR1-1295	19	Y	1295		
3486	698	1296	31	Y	1296		
3487	698	1298	31	Y	1298		

Depth_m	Calc_Elevatio	Group	Formation	Member
1250	-1091.87	Horton	Albert	
1250	-1143.64	Horton	Albert	Dawson Settle
1252	-1145.64	Horton	Albert	Dawson Settle
1254	-1147.64	Horton	Albert	Dawson Settle
1256	-1149.64	Horton	Albert	Dawson Settle
1258	-1151.64	Horton	Albert	Dawson Settle
1258.85	-1141.2	Horton	Albert	
1260	-1173.53	Horton	Albert	
1260	-1199.73	Horton	Albert	
1260	-1153.64	Horton	Albert	Dawson Settle
	-966.21	Horton	Albert	
1262	-1155.64	Horton	Albert	Dawson Settle
1264	-1157.64	Horton	Albert	Dawson Settle
1266	-1159.64	Horton	Albert	Dawson Settle
1268	-1161.64	Horton	Albert	Dawson Settle
1270	-1111.87	Horton	Albert	
1270	-1163.64	Horton	Albert	Dawson Settle
1255.8	-1143.92	Sussex	Weldon	Undivided
1272	-1165.64	Horton	Albert	Dawson Settle
1274	-1167.64	Horton	Albert	Dawson Settle
1275	-1214.73	Horton	Albert	
1276	-1169.64	Horton	Albert	Dawson Settle
1278	-1171.64	Horton	Albert	Dawson Settle
1280	-1121.87	Horton	Albert	
1280	-1193.53	Horton	Albert	
1280	-1173.64	Horton	Albert	Dawson Settle
1282	-1175.64	Horton	Albert	Dawson Settle
1284	-1177.64	Horton	Albert	Dawson Settle
1286	-1179.64	Horton	Albert	Dawson Settle
	-1168.61	Horton	Albert	
1288	-1181.64	Horton	Albert	Dawson Settle
1290	-1183.64	Horton	Albert	Dawson Settle
1292	-1185.64	Horton	Albert	Dawson Settle
1292.66	-1165.56	Sussex	Weldon	Undivided
1294	-1187.64	Horton	Albert	Dawson Settle
1295	-1129.1	Horton	Memramcook	
1296	-1189.64	Horton	Albert	Dawson Settle
1298	-1191.64	Horton	Albert	Dawson Settle

Sample_Description
Shale bituminous to slightly bituminous
dark grey Claystone, local interbedded light grey Sandstone
dark grey Claystone, local interbedded light grey Sandstone
medium grey Sandy Claystone, minor weeping
medium grey Sandy Claystone, minor weeping
medium to dark grey Sandy Claystone, minor coarse grained light grey Sands
Sh: grey-brown, dark grey, petrolif.
Shale light grey, light brownish grey, 30% darker slightly bituminous shale
Shale dark to medium grey, moderately hd, block_platey, subfissile, dissemin
medium to dark grey Sandy Claystone, minor coarse grained light grey Sands
dark grey Shale
90% light to dark grey Claystone, 5% grey Conglomerate, 5% Sandstone
90% light to dark grey Claystone, 5% grey Conglomerate, 5% Sandstone
90% dark grey Claystone, 10% grey Conglomerate
96% dark grey Claystone, 10% light to dark grey Conglomerate, 2% pyrite
Shale medium to dark brownish grey, bituminous
96% dark grey Claystone, 10% light to dark grey Conglomerate, 2% pyrite
40% Sandstone grey-brown, very fine grained, 20% Shale reddish brown, 20
96% dark grey Claystone, 10% light to dark grey Conglomerate, 2% pyrite
96% dark grey Claystone, 10% light to dark grey Conglomerate, 2% pyrite
Shale dark to medium grey, moderately hd, block_platey, subfissile, dissemin
96% dark grey Claystone, 10% light to dark grey Conglomerate, 2% pyrite
60% grey Claystone, 40% grey Conglomerate
Shale dark brownish grey, dolomitic, oil shale laminae
Shale medium grey, brownish grey
60% grey Claystone, 40% grey Conglomerate
60% grey Claystone, 40% grey Conglomerate
dark to medium grey Sandy Claystone, minor coarse grained light grey Sands
dark to medium grey Sandy Claystone, minor coarse grained light grey Sands
Sh: dark grey, petrolif, in pt silty, trace brown cryptoxln dol xtls
dark to medium grey Sandy Claystone, minor coarse grained light grey Sands
grey Conglomerate, very light yellow/greenish oil laden section
grey Conglomerate, very light yellow/greenish oil laden section
Medium grey, crumbly, sheared, very slightly calcareous mudstone or claysto
grey Conglomerate, very light yellow/greenish oil laden section
Sandstone grey very fine grained, 20-25% Shale grey to green grey 20-25%
grey Conglomerate, very light yellow/greenish oil laden section
grey Conglomerate, very light yellow/greenish oil laden section

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
203	147	Lee Brook 1 -1300	25	Y	1300		
425	331	ICSC1 -1300	25	Y	1300		
3488	698	1300	31	Y	1300		
3489	698	1302	31	Y	1302		
3490	698	1304	31	Y	1304		
502	332	ICESC1-1305	25	Y	1305		
3491	698	1306	31	Y	1306		
3492	698	1308	31	Y	1308		
3493	698	1310	31	Y	1310		
3494	698	1312	31	Y	1312		
3495	698	1314	31	Y	1314		
3496	698	1316	31	Y	1316		
3497	698	1318	31	Y	1318		
426	331	ICSC1 -1320	25	Y	1320		
533	333	H1 -1320	19	Y	1320		
3498	698	1320	31	Y	1320		
3499	698	1322	31	Y	1322		
3500	698	1324	31	Y	1324		
3501	698	1326	31	Y	1326		
3502	698	1328	31	Y	1328		
354	328	Berryton#1-4260-4360	21	Y	1328.93	1298.448	1328.93
222	147	ICLee Brk1 -1330	25	Y	1330		
3503	698	1330	31	Y	1330		
89	38	UPMacLeod Brk1 -1330	25	Y	1330.26		
3504	698	1332	31	Y	1332		
3505	698	1334	31	Y	1334		
3506	698	1336	31	Y	1336		
3507	698	1338	31	Y	1338		
53	38	4390	17	Y	1338.07	1335.024	1338.07
204	147	Lee Brook 1 -1340	25	Y	1340		
427	331	ICSC1 -1340	25	Y	1340		
503	332	ESC1-1340	19	Y	1340		
3508	698	1340	31	Y	1340		
54	38	4400	17	Y	1341.12	1338.072	1341.12
3509	698	1342	31	Y	1342		
3510	698	1344	31	Y	1344		
3511	698	1346	31	Y	1346		
55	38	4420	17	Y	1347.22	1344.168	1347.22

Depth_m	Calc_Elevatio	Group	Formation	Member
1300	-1141.87	Horton	Albert	
1300	-1213.53	Horton	Albert	
1300	-1193.64	Horton	Albert	Dawson Settle
1302	-1195.64	Horton	Albert	Dawson Settle
1304	-1197.64	Horton	Albert	Dawson Settle
1305	-1244.73	Horton	Albert	
1306	-1199.64	Horton	Albert	Dawson Settle
1308	-1201.64	Horton	Albert	Dawson Settle
1310	-1203.64	Horton	Albert	Dawson Settle
1312	-1205.64	Horton	Albert	Dawson Settle
1314	-1207.64	Horton	Albert	Dawson Settle
1316	-1209.64	Horton	Albert	Dawson Settle
1318	-1211.64	Horton	Albert	Dawson Settle
1320	-1233.53	Horton	Albert	
1320	-1256.62	Sussex	Weldon	Undivided
1320	-1213.64	Horton	Albert	Dawson Settle
1322	-1215.64	Horton	Albert	Dawson Settle
1324	-1217.64	Horton	Albert	Dawson Settle
1326	-1219.64	Horton	Albert	Dawson Settle
1328	-1221.64	Horton	Albert	Dawson Settle
1313.7	-1201.83	Sussex	Weldon	Undivided
1330	-1171.87	Horton	Albert	
1330	-1223.64	Horton	Albert	Dawson Settle
1330.26	-1212.61	Horton	Albert	
1332	-1225.64	Horton	Albert	Dawson Settle
1334	-1227.64	Horton	Albert	Dawson Settle
1336	-1229.64	Horton	Albert	Dawson Settle
1338	-1231.64	Horton	Albert	Dawson Settle
	-1220.42	Horton	Albert	
1340	-1181.87	Horton	Albert	
1340	-1253.53	Horton	Albert	
1340	-1279.73	Horton	Albert	
1340	-1233.64	Horton	Albert	Dawson Settle
	-1223.47	Horton	Albert	
1342	-1235.64	Horton	Albert	Dawson Settle
1344	-1237.64	Horton	Albert	Dawson Settle
1346	-1239.64	Horton	Albert	Dawson Settle
	-1229.57	Horton	Albert	

Sample_Description
Shale trace grey, very fine grained
Shale medium grey, brownish grey, slightly bituminous in part
90% medium to dark grey Sandy Claystone, 10% light grey Sandstone, coars
90% medium to dark grey Sandy Claystone, 10% light grey Sandstone, coars
90% medium to dark grey Sandy Claystone, 10% light grey Sandstone, coars
Siltstone white - light grey, mod - vey hd, locally sandy, occassional abundant
90% medium to dark grey Sandy Claystone, 10% light grey Sandstone, coars
90% medium to dark grey Sandy Claystone, 10% light grey Sandstone, coars
dark grey Sandy Claystone, minor coarse grained light grey Sandstone
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
Shale medium - dark brown, partly brownish grey, slightly bituminous
Shale greenish grey, lesser reddish brown, 10% Sandstone - Siltstone, very fi
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
80% medium to dark grey Claystone, 10% grey Conglomerate, 10% light grey
90% Shale grey and green grey, 10% Sandstone grey to green grey
Shale dark brownish grey, slightly bituminous, pyrite
90% light to medium grey Sandstone, coarse grained, 10% dark grey Claysto
Sh: grey - dark grey, dol, pet, abundant slks, minor slt, trace Ss, light grey ver
grey Conglomerate, subangular, minor seeping
grey Conglomerate, subangular, minor seeping
dark grey Claystone
dark grey Claystone
Sh: grey-dark grey, dol, pet, abundant slks, minor slt, trace Ss, light grey, very
Shale pyritic, dolomitic, calcareous
Shale brownish grey
Sandstone light grey - tan, slightly friable - very hd
dark grey Claystone
Sh: grey-dark grey, dol, pet, abundant slks minor slt, trace Ss, light grey, very
dark grey Claystone
grey Conglomerate, subangular, minor seeping
80% light to dark grey Claystone, 20% grey Conglomerate, subangular, minor
Ss: grey, very fine grained, qtz, sub ang, w srtd, ang, dol, sil smt, minor pyrite

General_Note	Sample_Type	Palynology
	Cuttings	☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
3512	698	1348	31	Y	1348		
505	333	IC Hillsborough 1 -1350	25	Y	1350		
3513	698	1350	31	Y	1350		
3514	698	1352	31	Y	1352		
3515	698	1354	31	Y	1354		
3516	698	1356	31	Y	1356		
3517	698	1358	31	Y	1358		
428	331	ICSC1 -1360	25	Y	1360		
3518	698	1360	31	Y	1360		
3519	698	1362	31	Y	1362		
56	38	4470	17	Y	1362.46	1359.408	1362.46
3520	698	1364	31	Y	1364		
3521	698	1366	31	Y	1366		
3522	698	1368	31	Y	1368		
57	38	4490	17	Y	1368.55	1365.504	1368.55
205	147	ICLee Brk1 -1370	25	Y	1370		
3523	698	1370	31	Y	1370		
30	38	UPMacLeod Brk1 -1371.6	25	Y	1371.6		
3593	38	NBDNR-02	38	Y	1371.6		
3524	698	1372	31	Y	1372		
3726	267	4403-4506'	21	Y	1373.43	1342.034	1373.43
3525	698	1374	31	Y	1374		
3526	698	1374.95	31	Y	1374.95		
3725	267	4384-4521'	21	Y	1378	1336.243	1378.00
269	334	LR1-1380	19	Y	1380		
429	331	ICSC1 -1380	25	Y	1380		
58	38	4540	17	Y	1383.79	1380.744	1383.79
59	38	4580	17	Y	1395.98	1392.936	1395.98
60	38	4590	17	Y	1399.03	1395.984	1399.03
430	331	ICSC1 -1400	25	Y	1400		
506	333	IC Hillsborough 1 -1400	28	Y	1400		
61	38	4600	17	Y	1402.08	1399.032	1402.08
3702	42	4500-4600'	21	Y	1402.08	1371.6	1402.08
62	38	4610	17	Y	1405.13	1402.08	1405.13
63	38	4620	17	Y	1408.18	1405.128	1408.18
206	147	Lee Brook 1 -1410	25	Y	1410		
64	38	4630	17	Y	1411.22	1408.176	1411.22
65	38	4640	17	Y	1414.27	1411.224	1414.27

Depth_m	Calc_Elevatio	Group	Formation	Member
1348	-1241.64	Horton	Albert	Dawson Settle
1350	-1286.62	Horton	Albert	
1350	-1243.64	Horton	Albert	Dawson Settle
1352	-1245.64	Horton	Albert	Dawson Settle
1354	-1247.64	Horton	Albert	Dawson Settle
1356	-1249.64	Horton	Albert	Dawson Settle
1358	-1251.64	Horton	Albert	Dawson Settle
1360	-1273.53	Horton	Albert	
1360	-1253.64	Horton	Albert	Dawson Settle
1362	-1255.64	Horton	Albert	Dawson Settle
	-1244.81	Horton	Albert	
1364	-1257.64	Horton	Albert	Dawson Settle
1366	-1259.64	Horton	Albert	Dawson Settle
1368	-1261.64	Horton	Albert	Dawson Settle
	-1250.9	Horton	Albert	
1370	-1211.87	Horton	Albert	
1370	-1263.64	Horton	Albert	Dawson Settle
1371.6	-1253.95	Horton	Albert	
1371.6	-1253.95	Horton	Albert	
1372	-1265.64	Horton	Albert	Dawson Settle
	-1290.52			
1374	-1267.64	Horton	Albert	Dawson Settle
1374.95	-1268.59	Horton	Albert	Dawson Settle
	-1295.09			
1380	-1214.1	Horton	Memramcook	
1380	-1293.53	Horton	Albert	
	-1266.14	Horton	Albert	
	-1278.33	Horton	Albert	
	-1281.38	Horton	Albert	
1400	-1313.53	Horton	Albert	
1400	-1336.62	Horton	Albert	
	-1284.43	Horton	Albert	
	-1249.68	Horton	Albert	
	-1287.48	Horton	Albert	
	-1290.53	Horton	Albert	
1410	-1251.87	Horton	Albert	
	-1293.57	Horton	Albert	
	-1296.62	Horton	Albert	

Sample_Description
80% light to dark grey Claystone, 20% grey Conglomerate, subangular, minor
Shale medium grey, 20% brown and reddish brown
80% light to dark grey Claystone, 20% grey Conglomerate, subangular, minor
light to dark grey Claystone, occassional seeping
light to dark grey Claystone, occassional seeping
light to dark grey Claystone, occassional seeping
light to dark grey Claystone, occassional seeping
Shale medium dark brownish grey, sl bitumen laminae
light to dark grey Claystone, occassional seeping
light to dark grey Claystone, occassional seeping
Sh: grey-dark grey, dol, mic, pet, very silty, minor slks, trace pyrite pbl
light to dark grey Claystone, occassional seeping
light to dark grey Claystone, occassional seeping
light to dark grey Claystone, occassional seeping
Sh: grey-dark grey, dol, mic, pet, very silty, minor slks, trace pyrite pbl
Shale medium to dark brownish grey, slightly bituminous
light to dark grey Claystone, occassional seeping
Sh: grey-dark grey, dol, mic, pet, very silty, minor slks, trace pyrite pbl.
dark grey Shale
light to dark grey Claystone, occassional seeping
Shale
90% light to dark grey Claystone, 10% light grey Sandstone
90% light to dark grey Claystone, 10% light grey Sandstone
Shale
Shale reddish brown, partly silty, 25% Siltstone Sandstone
Shale medium dark brownish grey, slight bitumen
Sh: grey-dark grey, dol, mic, pet, very silty, minor slks, trace pyrite pbl
Sh: grey-dark grey, v sl silty in pt, mic-mica, trace sks, trace pyrite, pet, dbl
Sh: grey-dark grey, brit
Shale brown grey grading to marlstone, slightly bituminous, 20-25% Dolomite,
Shale medium grey, subplatey, very fine pyrite, carbonaceous plant flakes
Sh: grey-dark grey, brit
Sh: grey-dark grey, brit with grey brown shale
Sh: grey-dark grey, brit with grey brown shale
Shale slightly bituminous
Sh: grey-dark grey, brit with grey brown shale
Sh: grey-dark grey, brit with grey brown shale

General_Note	Sample_Type	Palynology
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	Cuttings	☐
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Dh_Sample_ID	Unique_	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
3639	709	14-1416	39	Y	1416.35		
66	38	4650	17	Y	1417.32	1414.272	1417.32
431	331	ICSC1 -1420	25	Y	1420		
67	38	4660	17	Y	1420.37	1417.32	1420.37
68	38	4670	17	Y	1423.42	1420.368	1423.42
355	328	Berryton#1-4570-4670	21	Y	1423.42	1392.936	1423.42
69	38	4680	17	Y	1426.46	1423.416	1426.46
70	38	4690	17	Y	1429.51	1426.464	1429.51
369	331	ICSC1 -1430	25	Y	1430		
3614	701	NBDNR-16	38	Y	1430		
71	38	4700	17	Y	1432.56	1429.512	1432.56
433	331	ICSC1 -1435	25	Y	1435		
504	332	ESC1-1435	19	Y	1435		
72	38	4710	17	Y	1435.61	1432.56	1435.61
73	38	4720	17	Y	1438.66	1435.608	1438.66
434	331	ICSC1 -1440	25	Y	1440		
207	147	ICLee Brk1 -1445	25	Y	1445		
436	331	ICSC1 -1445	25	Y	1445		
507	333	IC Hillsborough 1 -1450	25	Y	1450		
437	331	ICSC1 -1460	25	Y	1460		
438	331	ICSC1 -1480	25	Y	1480		
356	328	Berryton#1-4770-4870	21	Y	1484.38	1453.896	1484.38
176	145	PR1-4880	19	Y	1487.42		
208	147	Lee Brook 1 -1500	25	Y	1500		
439	331	ICSC1 -1500	25	Y	1500		
1828	333	IC Hillsborough 1 -1500	25	Y	1500		
31	38	UPMacLeod Brk1 -1502.66	25	Y	1503	1500	1503
359	328	Berryton#1-4870-4970	21	Y	1514.86	1484.376	1514.86
32	38	UPC McLeod Bk -4980	7	Y	1517.9		
440	331	ICSC1 -1520	25	Y	1520		
536	333	H1 -1520	19	Y	1520		
209	147	Lee Brook 1 -1525	25	Y	1525		
177	145	Pollett River#1-4900-5020	21	Y	1530.1	1493.52	1530.1
3624	708	NBDNR-26	38	Y	1533		
441	331	ICSC1 -1540	25	Y	1540		
442	331	ICSC1 -1560	25	Y	1560		
2869	147	Sample Bag # 1560m	35	Y	1560		
106	42	Urney #1 -5170	22	Y	1575.82		

Depth_m	Calc_Elevatio	Group	Formation	Member
1416.35	-1337.35	Horton	Albert	
	-1299.67	Horton	Albert	
1420	-1333.53	Horton	Albert	
	-1302.72	Horton	Albert	
	-1305.77	Horton	Albert	
1408.2	-1296.32	Horton	Albert	
	-1308.81	Horton	Albert	
	-1311.86	Horton	Albert	
1430	-1343.53	Horton	Albert	
1430	-1218.2	Horton	Albert	
	-1314.91	Horton	Albert	
1435	-1348.53	Horton	Albert	
1435	-1374.73	Horton	Albert	
	-1317.96	Horton	Albert	
	-1321.01	Horton	Albert	
1440	-1353.53	Horton	Albert	
1445	-1286.87	Horton	Albert	
1445	-1358.53	Horton	Albert	
1450	-1386.62	Horton	Albert	
1460	-1373.53	Horton	Albert	
1480	-1393.53	Horton	Albert	
1438.7	-1357.28	Horton	Albert	
1487.42	-1437.13	Mabou	Maringouin	
1500	-1341.87	Horton	Albert	
1500	-1413.53	Horton	Albert	
1500	-1436.62	Horton	Albert	
1502.66	-1385.35	Horton	Albert	
1499.6	-1387.76	Horton	Albert	
1517.9	-1400.25	Horton	Albert	
1520	-1433.53	Horton	Albert	
1520	-1456.62	Horton	Albert	
1525	-1366.87	Horton	Albert	
1511.8	-1479.81	Mabou	Maringouin	
1533	-1460	Horton	Albert	
1540	-1453.53	Horton	Albert	
1560	-1473.53	Horton	Memramcook	
1560	-1401.87	Horton	Albert	
1575.82	-1423.42	Horton	Albert	

Sample_Description
red and grey Shale, grey breccia fragments
Sh: grey-dark grey, brit with trace pyrite, trace sks
Shale dark brownish grey
Sh: grey-dark grey, brit with trace pyrite, trace sks
Sh: grey-dark grey, brit with trace pyrite, trace sks
55% Sandstone grey to greenish grey, 30% Shale Grey to green grey, 10% S
Sh: grey-dark grey, brit with trace pyrite, trace sks
Sh: grey-dark grey, brit with trace pyrite, trace sks
Shale dark micro-micaceous, sl calc & dolomitic
dark grey Shale
Sh: grey-dark grey, brit with trace pyrite, trace sks
Shale dark micro-micaceous, slight carbonate and bitumen
Shale grey brown - tred, moderately hd, platey - blocky, sub fissile
Sh: grey-dark grey, brit with trace pyrite, trace sks
Sh: grey-dark grey, brit with trace pyrite, trace sks
Shale dark micro-micaceous, slight carbonate and bitumen
Shale
Shale dark micro-micaceous, slight carbonate and bitumen
Shale medium grey, calcareous, local silty laminae, fine grained sandstone
Shale dark brownish grey, black, slightly bituminous, 5% Sandstone very fine
Shale very dark brown-black, slightly bituminous carbonaceous, Siltstone gra
80% Sandstone grey increasinly finer, 20% Shale grey
70% greyish red, 15% hard grey slst-> silty mdst, 10% gypsum as independe
Shale dark brown grey
Shale medium to dark brwon, 30-35% Sandstone, fine to medium grained, mi
Shale 60% reddish brown, 40% grey, few silty beds
Sh: light-dark grey, frm-brit, mic-mica, sks in pt, with trace pyrite, pet in pt.
60% Sandstone grey, fine grained calcareous, argillaceous, trace oil staining
Dark grey, dolomitic mudstone or shale. Without larger pieces to see if it is fi
Shale dark brown, medium to dark grey, Sandstone, fine to medium grained,
Shale grey calcareous with 5% grading to marlstone, trace sandstone, 15-20
Shale dark brownish grey to black, dolomitic, calcareous
Shale reddish brown, grey green anhydrite
80% grey green Claystone, 10% Dolomite, 10% Sandstone
Sandstone fine grained with some very fine grained
Sandstone grey pink rusty specked, very fine grained, Shale rusty red, sandy
Shale dark brownish grey, dolomitic, slightly calcareous to marlstone, very fin
Shale grey NB-ISB

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
357	328	Berryton#1-5075-5170	21	Y	1575.82	1546.86	1575.82
210	147	Lee Brook 1 -1590	25	Y	1590		
225	147	ICLee Brk1 -1590	25	Y	1590		
443	331	ICSC1 -1592	25	Y	1592		
211	147	Lee Brook 1 -1600	25	Y	1600		
3714	325	5200-5250'	21	Y	1600.2	1584.96	1600.2
3693	330	5070-5270'	21	Y	1606.3	1545.336	1606.3
3651	719	27-1607	39	Y	1607.5		
33	38	UPMacLeod Brk1 -1609.34	25	Y	1609	1606	1609
212	147	Lee Brook 1 -1615	25	Y	1615		
508	333	IC Hillsborough 1 -1615	25	Y	1615		
3703	42	5200-5300'	21	Y	1615.44	1584.96	1615.44
3615	701	NBDNR-17	38	Y	1620		
350	328	Berryton #1 -5346	7	Y	1629.46		
76	38	5350	17	Y	1630.68	1627.632	1630.68
213	147	ICLee Brk1 -1635	25	Y	1635		
2769	720	1640	32	Y	1640		
2770	720	1650	32	Y	1650		
2771	720	1660	32	Y	1660		
77	38	5490	17	Y	1673.35	1670.304	1673.35
237	325	1 - 5530-5540	16	Y	1688.59	1685.544	1688.59
93	38	UPMacLeod Brk1 -1691	25	Y	1691		
236	325	2 - 5540-5550	16	Y	1691.64	1688.592	1691.64
233	325	3 - 5550-5560	16	Y	1694.69	1691.64	1694.69
235	325	4 - 5560-5570	16	Y	1697.74	1694.688	1697.74
352	328	Berryton#1-5370-5570	21	Y	1697.74	1636.776	1697.74
214	147	Lee Brook 1 -1700	25	Y	1700		
537	333	H1 -1700	19	Y	1700		
78	38	5580	17	Y	1700.78	1697.736	1700.78
234	325	5 - 5570-5580	16	Y	1700.78	1697.736	1700.78
327	325	6 - 5580-5590	16	Y	1703.83	1700.784	1703.83
345	325	7 - 5590-5600	16	Y	1706.88	1703.832	1706.88
302	325	8 - 5600-5610	16	Y	1709.93	1706.88	1709.93
303	325	9 - 5610-5620	16	Y	1712.98	1709.928	1712.98
304	325	10 - 5620-5630	16	Y	1716.02	1712.976	1716.02
305	325	11 - 5630-5640	16	Y	1719.07	1716.024	1719.07
309	325	12 - 5640-5650	16	Y	1722.12	1719.072	1722.12
252	325	13 - 5655-5660	16	Y	1725.17	1723.644	1725.17

Depth_m	Calc_Elevatio	Group	Formation	Member
1560.6	-1448.72	Horton	Albert	
1590	-1431.87	Horton	Albert	
1590	-1431.87	Horton	Albert	
1592	-1505.53	Horton	Memramcook	
1600	-1441.87	Horton	Albert	
	-1595.93			
	-1586.79	Windsor		
1607.5		Horton	Memramcook	
1609.34	-1491.35	Horton	Albert	
1615	-1456.87	Horton	Albert	
1615	-1551.62	Horton	Albert	
	-1463.04	Horton	Albert	
1620	-1408.2	Horton	Albert	
1629.46	-1502.36	Horton	Albert	
	-1513.03	Horton	Albert	
1635	-1476.87	Horton	Albert	
1640	-1610.11	Sussex	Hillsborough	
1650	-1620.11	Sussex	Hillsborough	
1660	-1630.11	Sussex	Hillsborough	
	-1555.7	Horton	Albert	
	-1684.32	Horton	Albert	
1691	-1573.35	Horton	Albert	
	-1687.37	Horton	Albert	
	-1690.42	Horton	Albert	
	-1693.47	Horton	Albert	
1673	-1570.64	Sussex	Weldon	Undivided
1700	-1541.87	Horton	Albert	
1700	-1636.62	Horton	Albert	
	-1583.13	Horton	Albert	
	-1696.51	Horton	Albert	
	-1699.56	Horton	Albert	
	-1702.61	Horton	Albert	
	-1705.66	Horton	Albert	
	-1708.71	Horton	Albert	
	-1711.75	Horton	Albert	
	-1714.8	Horton	Albert	
	-1717.85	Horton	Albert	
	-1720.9	Horton	Albert	

Sample_Description
85% Shale grey and grey brown, slightly bituminous and bituminous in part, 1
Shale, slightly bituminous, dolomitic
Shale slightly bituminous
Shale dark red, Sandstone very fine grained, Dolomite pink to rusty, silty gradi
Shale part silty, pyrite blebs
Claystone mixed red and grey finely laminated siltstone, claystone and shale
Sh: grey-dark grey, brit-hd, blkyin pt, mic-mica, dol, pet, abundant pyrite
Shale dark brown grey
Sandstone salt and pepper, very fine to fine grained, Siltstone grey sandy, Sh
medium to dark grey Shale
Dark grey, non-calcareoue, very slightly micaceous, subconchoidal siltstone t
Ss: brown-dark brown, fine grained, hd dol
Shale medium grey to dark brown grey to black
Anhydrite - Sample is Questionable Should NOT be anhydrite in this section
70% Claystone, medium grey brown, 30% Siltstone medium grey brown
60% Siltstone, medium grey brown, 40% Claystone medium grey brown
Sh: light grey- grey brown, frm, dol, pet
60% medium grey to dark grey, very slightly calcareous shale and silty shale (
Sh: light grey - grey brown, frm, dol, pet
70% medium grey to dark grey, very slightly calcareous shale and silty shale (
60% medium grey to dark grey, very slightly calcareous shale and silty shale (
65% medium grey to dark grey shale and silty shale; 10% coarse grained san
45% Conglomerate and grit, 45% Shale, 10% Sandstone
Sandy Shale and Sandstone dark brown
Shale medium grey, very fine and trace coarse pyrite, trace carbonaceous sp
Sh: light grey- grey brown, frm, dol, pet
90% medium grey to dark grey shale and siltyshale; 5% medium grained san
60% medium grey to dark grey shale and siltyshale; 25% selenite and gypsu
80% medium grey to dark grey, shale and silty shale; 15-20% selemite and gy
80% medium grey to dark grey, shale and silty shale; 15-20% selemite and gy
75% medium grey to dark grey, shale and silty shale; 5-10% selemite and gyp
70% medium grey to grey black siltstone, siltyshale and shale (turns black in f
75% siltstone and shale; 20% pink or light grey, medium grained sandstone t
90% medium grey to dark grey siltstone and shale; 5-10% medium grained s
82% grey siltstone and shale; 15% medium grained sandstone to conglomera

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
320	325	14 - 5660-5665	16	Y	1726.69	1725.168	1726.69
3602	325	NBDNR-29	38	Y	1726.69	1720.596	1726.69
3715	325	5630-5665'	21	Y	1726.69	1716	1726.69
2870	147	Sample Bag # 1730m	35	Y	1730		
79	38	5700	17	Y	1737.36	1734.312	1737.36
178	145	Pollett River#1-5590-5700	21	Y	1737.36	1703.832	1737.36
179	145	Pollett River#1-5710-5820	21	Y	1773.94	1740.408	1773.94
351	328	Berryton #1 -5821	7	Y	1774.24		
12	38	5840	17	Y	1780.03	1776.984	1780.03
2852	717	Sample Bag # 1791	35	Y	1791		
509	333	IC Hillsborough 1 -1810	25	Y	1810		
13	38	5980	17	Y	1822.7	1819.656	1822.70
510	333	IC Hillsborough 1 -1840	25	Y	1840		
14	38	6050	17	Y	1844.04	1840.992	1844.04
2871	147	Sample Bag # 1845m	35	Y	1845		
80	38	6090	17	Y	1856.23	1853.184	1856.23
215	147	ICLee Brk1 -1860	25	Y	1860		
3625	708	NBDNR-27	38	Y	1860		
164	145	Pollett R -6112	7	Y	1862.94		
15	38	6120	17	Y	1865.38	1862.328	1865.38
16	38	6130	17	Y	1868.42	1865.376	1868.42
539	333	H1 -1870	19	Y	1870		
3616	701	NBDNR-18	38	Y	1880		
17	38	6170	17	Y	1880.62	1877.568	1880.62
18	38	6180	17	Y	1883.66	1880.616	1883.66
358	328	Berryton#1-5830-6190	21	Y	1886.71	1776.984	1886.71
511	333	IC Hillsborough 1 -1890	25	Y	1890		
3638	705	13-1890	39	Y	1890		
2853	717	Sample Bag # 1893	35	Y	1893		
216	147	Lee Brook 1 -1905	25	Y	1905		
3603	325	NBDNR-30	38	Y	1909.57	1903.476	1909.57
512	333	IC Hillsborough 1 -1918.7	28	Y	1918.7		
1829	333	IC Hillsborough 1 -1920	25	Y	1920		
513	333	IC Hillsborough 1 -1937	25	Y	1937		
19	38	6390	17	Y	1947.67	1944.624	1947.67
165	145	Pollett R -6445	7	Y	1964.44		
514	333	IC Hillsborough 1 -1975	25	Y	1975		
2772	720	1990	32	Y	1990		

Depth_m	Calc_Elevatio	Group	Formation	Member
	-1722.42	Horton	Albert	
	-1722.42	Horton	Albert	
	-1722.42			
1730	-1571.87	Horton	Albert	
	-1619.71	Horton	Albert	
1720.6	-1687.07	Windsor	Upperton	
1757.2	-1723.65	Windsor	Macumber	
1774.24	-1647.14	Horton	Albert	
	-1662.38	Horton	Albert	
1791	-1748.16	Sussex	Weldon	
1810	-1746.62	Horton	Albert	
	-1705.05	Horton	Albert	
1840	-1776.62	Horton	Albert	
	-1726.39	Horton	Albert	
1845	-1686.87	Horton	Albert	
	-1738.58	Horton	Albert	
1860	-1701.87	Horton	Albert	
1860	-1787	Horton	Albert	
1862.94	-1812.65	Horton	Albert	
	-1747.73	Horton	Albert	
	-1750.77	Horton	Albert	
1870	-1806.62	Horton	Albert	
1880	-1668.2	Horton	Albert	
	-1762.97	Horton	Albert	
	-1766.01	Horton	Albert	
1831.8	-1759.61	Horton	Albert	
1890	-1826.62	Horton	Albert	
1890	-1758	Horton	Albert	
1893	-1850.16	Sussex	Weldon	
1905	-1746.87	Horton	Albert	
	-1905.3	Horton	Albert	
1918.7	-1855.32	Horton	Albert	
1920	-1856.62	Horton	Albert	
1937	-1873.62	Horton	Albert	
	-1830.02	Horton	Albert	
1964.44	-1914.15	Horton	Albert	
1975	-1911.62	Horton	Albert	
1990	-1960.11	Sussex	Hillsborough	

Sample_Description
94% siltyshale and shale; 5% medium grained sandstone to conglomerate; 1
grey to dark grey Shale, some kerogenous bands
Sandstone very fine to fine grained, argillaceous, trace black bitumen specks
Ss: grey-grey brown, very fine-fine grained, w srtd, dol, calc in pt, with trace p
Anhydrite with interbeds of red brown shale
Anhydrite / Conglomerate contact area
Green, sheared, soapy feeling, chloritic (?) claystone. Rock shows abundant
Sh: dark grey - grey black, frm, blky,mic-mica in pt, dol, pet
Red brown to grey brown Claystone
Shale medium to dark grey, silty to very sitly shale, very fine pyrite, trace carb
Dol: dark brown, crpxl, hd, sl, arg in pt
Shale becoming black, carbonaceous, slightly bituinous, slightly dolomitic, ver
Sh: dark grey - grey black, frm-fis, blky in pt, mic-mica in pt, pet, dol, /tr cavin i
Sandstone very fine to fine grained, argillaceous, pyritic, dead oil staining
Sh: dark grey - grey black, frm-fis, blky in pt. mic-mica, pet, dol, trace cal vn in
Conglomerate greenish
60% Conglomerate, 40% Dolomite
Medium-grey, coarse-grained, micaceous, feldspathic, lithic wacke with a par
Sh: dark grey - grey black, frm-fis, blky in pt, mic-mica in pt, pet, dol, /tr cavin i
Sh: dark grey - grey black, frm-fis, blky in pt, mic-mica in pt, pet, dol, /tr cavin i
Shale medium to dark grey and black, Siltstone light to medium grey, 10% Sa
medium to dark grey Shale
Sh: dark grey - grey black, frm-fis, blky in pt, mic-mica in pt, pet, dol, /tr cavin i
Sh: dark grey - grey black, frm-fis, blky in pt, mic-mica in pt, pet, dol, /tr cavin i
90% Shale grey and grey brown, 5% Sandstone, 5% Siltstone
Sandstone fine grained, grey, black specked, porosity choked with black dead
brown Shale with minor siltstone
Red brown to red grey Claystone
Conglomerate
black grey Shalee, some kerogenous bands
Shale medium to dark grey, thinly laminated/varved, oily odour
Shale medium to dark grey, thinly laminated/varved, oily odour
Shale medium grey, calcareous and dolomitic.
Sh: dark grey - grey black, frm-fis, blky in pt, mic-mica in pt, pet, dol, /tr cavin i
Dark greenish grey, sheared, chloritic (?), slightly calcareous siltstone.
Shale dark shale to black, very fine pyrite, part blocky and hard
60% Siltstone, medium grey brown, 40% Claystone medium grey brown

General_Note	Sample_Type	Palynology
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		☐
poor quality		☐
	Cuttings	☐
NB 42 JD8		☐
	Cuttings	☐
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	Cuttings	☐
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		☐
Tmax data not reliable due to poor S2 peak		☐
		☐
		☐
		☐
	Cuttings	☐
		☐
poor quality		☐
	Cuttings	☐
		☐
Data also in Reference 4		☐
		☐
	Cuttings	☐
		☐
		☐
	Cuttings	☐
		☐

Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
181	145	Pollett River#1-6450-6540	21	Y	1993.39	1965.96	1993.39
2836	710	MC1 -1998	32	Y	1998		
515	333	IC Hillsborough 1 -2000	25	Y	2000		
2773	720	2000	32	Y	2000		
217	147	ICLee Brk1 -2010	25	Y	2010		
2774	720	2010	32	Y	2010		
2854	717	Sample Bag # 2019	35	Y	2019		
2775	720	2020	32	Y	2020		
516	333	IC Hillsborough 1 -2030	25	Y	2030		
2776	720	2030	32	Y	2030		
2837	710	MC1 -2038.4	32	Y	2038.4		
2777	720	2040	32	Y	2040		
541	333	H1 -2050	19	Y	2050		
2778	720	2050	32	Y	2050		
182	145	PR1-6750	19	Y	2057.4		
2779	720	2060	32	Y	2060		
2780	720	2070	32	Y	2070		
3694	330	6620-6820'	21	Y	2078.74	2017.776	2078.74
517	333	IC Hillsborough 1 -2085	25	Y	2085		
2838	710	MC1 -2085	32	Y	2085		
3617	701	NBDNR-19	38	Y	2090		
518	333	IC Hillsborough 1 -2095	25	Y	2095		
2781	720	2100	32	Y	2100		
2872	723	2100	36	Y	2100		
519	333	IC Hillsborough 1 -2105	25	Y	2105		
2782	720	2110	32	Y	2110		
2783	720	2120	32	Y	2120		
520	333	IC Hillsborough 1 -2125	25	Y	2125		
2784	720	2130	32	Y	2130		
3716	325	6880-7000'	21	Y	2133.6	2097.024	2133.6
2785	720	2140	32	Y	2140		
2786	720	2150	32	Y	2150		
3594	38	NBDNR-03	38	Y	2151.89		
2787	720	2160	32	Y	2160		
2855	717	Sample Bag # 2160	35	Y	2160		
2788	720	2170	32	Y	2170		
2789	720	2180	32	Y	2180		
3604	325	NBDNR-31	38	Y	2188.46	2182.368	2188.46

Depth_m	Calc_Elevatio	Group	Formation	Member
1979.7	-1943.1	Horton	Albert	
1998	-1975.55	Horton	Albert	
2000	-1936.62	Horton	Albert	
2000	-1970.11	Sussex	Hillsborough	
2010	-1851.87	Horton	Albert	
2010	-1980.11	Sussex	Hillsborough	
2019	-1976.16	Horton	Albert	
2020	-1990.11	Sussex	Hillsborough	
2030	-1966.62	Horton	Albert	
2030	-2000.11	Sussex	Hillsborough	
2038.4	-2015.95	Horton	Albert	
2040	-2010.11	Sussex	Hillsborough	
2050	-1986.62	Horton	Albert	
2050	-2020.11	Sussex	Hillsborough	
2057.4	-2007.11	Horton	Albert	
2060	-2030.11	Sussex	Hillsborough	
2070	-2040.11	Horton	Albert	Hiram Brook
	-2059.23	Windsor		
2085	-2021.62	Horton	Albert	
2085	-2062.55	Horton	Albert	
2090	-1878.2	Horton	Albert	
2095	-2031.62	Horton	Albert	
2100	-2070.11	Horton	Albert	Hiram Brook
2100	-2010.34	Sussex	Hillsborough	
2105	-2041.62	Horton	Albert	
2110	-2080.11	Horton	Albert	Hiram Brook
2120	-2090.11	Horton	Albert	Hiram Brook
2125	-2061.62	Horton	Albert	
2130	-2100.11	Horton	Albert	Hiram Brook
	-2129.33			
2140	-2110.11	Horton	Albert	Hiram Brook
2150	-2120.11	Horton	Albert	Hiram Brook
2151.888	-2034.24	Horton	Albert	
2160	-2130.11	Horton	Albert	Hiram Brook
2160	-2117.16	Horton	Albert	
2170	-2140.11	Horton	Albert	Hiram Brook
2180	-2150.11	Horton	Albert	Hiram Brook
	-2184.19	Horton	Albert	

Sample_Description
Conglomerate
Claystone light red brown, light red grey, greenish grey, black
Shale black blocky, trace carbonaceous
40% Siltstone light to medium grey brown, 20% Claystone light to medium gr
Sandstone fine to coarse grained
20% Siltstone light to medium grey brown, 50% Claystone light to medium gr
Grey to grey brown Siltstone
20% Siltstone light to medium grey brown to red, 20% Claystone light to medi
Shale dark grey, blocky, hard, very fine pyrite
20% Siltstone light to medium grey brown to red, 20% Claystone light to medi
Claystone light red - dark grey. Occassionally black
10% Siltstone light to medium grey brown to red, 20% Claystone light to medi
Shale dark, slightly calcareous, dolomitic
80% Conglomerate mediumt to dark grey, 10% Shale light to medium grey gr
50% greyish orange pink fine grained to coarse grained lithic feldspathic quart
80% Conglomerate mediumt to dark grey, 10% Shale light to medium grey gr
50% Siltstone light to medium grey, 30% Claystone light to medium grey, 20
Shale dark grey- black, very pyritic
Claystone light red - dark grey. Occassionally black
medium to dark grey Shale
Shale dark calcareous dolomitic, pyritic
Siltstone light to medium grey
Claystone light grey-green grey and shaley
Shale medium grey, carbonaceous specks, with dark pyritic shale
Siltstone light to medium grey
Siltstone medium to dark grey
Sandstone brown, very fine to fine to medium grained, very fine pyrite, dead o
80% Sandstone medium to dark grey, 20% Siltstone dark to medium grey
80% Sandstone medium to dark grey, 20% Siltstone dark to medium grey
70% Sandstone medium to dark grey, 10% Siltstone dark to medium grey, 20
dark grey Shale
30% Sandstone medium to dark grey, 40% Siltstone dark to medium grey, 30
Red brown and grey Shale
70% Sandstone off white, 20% Siltstone dark to medium grey, 10% Shale dar
Shale dark to medium grey
black grey Shale

General_Note	Sample_Type	Palynology
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	Cuttings	☐
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	Cuttings	☐
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little quantity		☐
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	Cuttings	☐
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	Cuttings	☐
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	Cuttings	☐
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Tmax data not reliable due to poor S2 peak		☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
521	333	IC Hillsborough 1 -2190	25	Y	2190		
2790	720	2190	32	Y	2190		
3649	718	25-2193	39	Y	2193	2184	2193
2791	720	2200	32	Y	2200		
2792	720	2210	32	Y	2210		
2839	710	MC1 -2217	32	Y	2217		
3626	711	NBDNR-28	38	Y	2217	2214	2217
34	38	UPC McLeod Bk -7280	7	Y	2218.94		
2793	720	2220	32	Y	2220		
2794	720	2230	32	Y	2230		
2795	720	2240	32	Y	2240		
3717	325	7200-7360'	21	Y	2243.33	2194.56	2243.33
2796	720	2250	32	Y	2250		
2797	720	2260	32	Y	2260		
3695	330	7220-7420'	21	Y	2261.62	2200.656	2261.62
2840	710	MC1 -2268	32	Y	2268		
542	333	IC Hillsborough 1 -2270	25	Y	2270		
2798	720	2270	32	Y	2270		
2841	710	MC1 -2271.5	32	Y	2271.5		
2799	720	2280	32	Y	2280		
522	333	IC Hillsborough 1 -2290	25	Y	2290		
2800	720	2290	32	Y	2290		
2801	720	2300	32	Y	2300		
2802	720	2310	32	Y	2310		
3618	701	NBDNR-20	38	Y	2310		
2803	720	2320	32	Y	2320		
2856	717	Sample Bag # 2325	35	Y	2325		
2842	710	MC1 -2328	32	Y	2328		
543	333	H1 -2330	19	Y	2330		
2804	720	2330	32	Y	2330		
2805	720	2340	32	Y	2340		
2806	720	2350	32	Y	2350		
3605	325	NBDNR-32	38	Y	2354.58	2348.484	2354.58
2807	720	2360	32	Y	2360		
523	333	IC Hillsborough 1 -2364	25	Y	2364		
2844	710	MC1 -2369.4	32	Y	2369.4		
2808	720	2370	32	Y	2370		
326	325	15 - 7795-7805	16	Y	2378.96	2375.916	2378.96

Depth_m	Calc_Elevatio	Group	Formation	Member
2190	-2126.62	Horton	Albert	
2190	-2160.11	Horton	Albert	Hiram Brook
	-2083	Horton	Memramcook	
2200	-2170.11	Horton	Albert	Hiram Brook
2210	-2180.11	Horton	Albert	Hiram Brook
2217	-2194.55	Horton	Albert	
	-2077	Windsor	Macumber	
2218.94	-2101.29	Horton	Albert	
2220	-2190.11	Horton	Albert	Hiram Brook
2230	-2200.11	Horton	Albert	Hiram Brook
2240	-2210.11	Horton	Albert	Hiram Brook
	-2239.06			
2250	-2220.11	Horton	Albert	Hiram Brook
2260	-2230.11	Horton	Albert	Hiram Brook
	-2242.11	Windsor		
2268	-2245.55	Horton	Albert	
2270	-2206.62	Horton	Albert	
2270	-2240.11	Horton	Albert	Hiram Brook
2271.5	-2249.05	Horton	Albert	
2280	-2250.11	Horton	Albert	Hiram Brook
2290	-2226.62	Horton	Albert	
2290	-2260.11	Horton	Albert	Hiram Brook
2300	-2270.11	Horton	Albert	Hiram Brook
2310	-2280.11	Horton	Albert	Hiram Brook
2310	-2098.2	Horton	Albert	
2320	-2290.11	Horton	Albert	Hiram Brook
2325	-2282.16	Horton	Albert	
2328	-2305.55	Horton	Albert	
2330	-2266.62	Horton	Albert	
2330	-2300.11	Horton	Albert	Hiram Brook
2340	-2310.11	Horton	Albert	Hiram Brook
2350	-2320.11	Horton	Albert	Hiram Brook
	-2350.31	Horton	Albert	
2360	-2330.11	Horton	Albert	Hiram Brook
2364	-2300.62	Horton	Albert	
2369.4	-2346.95	Horton	Albert	
2370	-2340.11	Horton	Albert	Hiram Brook
	-2374.69	Horton	Albert	

Sample_Description
Sandstone fine to medium grained, partly silty, 10-15% light grey to white
Shale dark to medium grey
Conglomerate
Shale dark to medium grey
No Sample
Claystone dark grey, minor light red grey, occassionally black
dark brown Limestone
Dark grey, dolomitic mudstone or shale. Without larger pieces to see if it is fi
No Sample
No Sample
No Sample
No Sample
10% Siltstone dark to medium grey, 30% Shale dark to medium grey, 60% Sa
Claystone red - dark grey, minor light red grey, occassionally black
Shale black, bituminous, carbonaceous, very fine pyrite, 5% Sandstone thin b
90% Shale dark to medium grey, 10% Sandstone
Claystone red - dark grey, minor light red grey, occassionally black
50% Shale dark to medium grey, 50% Sandstone medium to dark grey
Shale dark grey, black, trace dolomitic, very fine pyrite, carbonaceous/bitumin
90% Sandstone medium to dark grey, 10% Siltstone dark to medium grey
Shale dark grey occassionally black
10% Sandstone medium to dark grey, 40% Siltstone, dark to medium grey, 5
medium to dark grey Shale
10% Sandstone medium to dark grey, 10% Siltstone, dark to medium grey, 8
Grey to green grey Shale
Claystone dark grey-black, minor light red grey and greenish grey
Sandstone medium grained, with coarse grains, white and black streaked, de
Shale dark grey occassionally black
Shale dark grey occassionally black
Shale dark grey occassionally black
black grey Shale
Shale dark grey occassionally black
Sandstone light grey, fine to medium grained, locally coarser, dead oil specks
Claystone dark grey-black, minor light medium grey
Shale dark grey occassionally black
94% medium grey to dark grey (minor reddish-brown) siltyshale and shale (tu

General_Note	Sample_Type	Palynology
	Cuttings	☐
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	Cuttings	☐
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Tmax data not reliable due to poor S2 peak		☐
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Data also in Reference 4	Cuttings	☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2809	720	2380	32	Y	2380		
325	325	16 - 7805-7815	16	Y	2382.01	2378.964	2382.01
344	325	17 - 7815-7825	16	Y	2385.06	2382.012	2385.06
343	325	18 - 7825-7835	16	Y	2388.11	2385.06	2388.11
2810	720	2390	32	Y	2390		
337	325	19 - 7835-7845	16	Y	2391.16	2388.108	2391.16
348	325	20 - 7845-7855	16	Y	2394.2	2391.156	2394.20
335	325	21 - 7855-7865	16	Y	2397.25	2394.204	2397.25
2811	720	2400	32	Y	2400		
2857	717	Sample Bag # 2400m	35	Y	2400		
2873	723	2400	36	Y	2400		
334	325	22 - 7865-7875	16	Y	2400.3	2397.252	2400.3
329	325	23 - 7875-7885	16	Y	2403.35	2400.3	2403.35
347	325	24 - 7885-7895	16	Y	2406.4	2403.348	2406.4
330	325	25 - 7895-7905	16	Y	2409.44	2406.396	2409.44
2812	720	2410	32	Y	2410		
338	325	26 - 7905-7915	16	Y	2412.49	2409.444	2412.49
331	325	27 - 7915-7925	16	Y	2415.54	2412.492	2415.54
332	325	28 - 7925-7935	16	Y	2418.59	2415.54	2418.59
2813	720	2420	32	Y	2420		
3696	330	7700-7942'	21	Y	2420.72	2346.96	2420.72
2843	710	MC1 -2421	32	Y	2421		
333	325	29 - 7935-7945	16	Y	2421.64	2418.588	2421.64
328	325	30 - 7945-7955	16	Y	2424.68	2421.636	2424.68
339	325	31 - 7955-7965	16	Y	2427.73	2424.684	2427.73
2814	720	2430	32	Y	2430		
340	325	32 - 7965-7975	16	Y	2430.78	2427.732	2430.78
341	325	33 - 7975-7985	16	Y	2433.83	2430.78	2433.83
254	333	H1 -2435	19	Y	2435		
342	325	34 - 7985-7995	16	Y	2436.88	2433.828	2436.88
336	325	35 - 7995-8005	16	Y	2439.92	2436.876	2439.92
2815	720	2440	32	Y	2440		
311	325	36 - 8005-8015	16	Y	2442.97	2439.924	2442.97
249	325	37 - 8015-8025	16	Y	2446.02	2442.972	2446.02
306	325	38 - 8025-8035	16	Y	2449.07	2446.02	2449.07
2816	720	2450	32	Y	2450		
346	325	39 - 8035-8040	16	Y	2450.59	2449.068	2450.59
251	325	40 - 8040-8050	16	Y	2453.64	2450.592	2453.64

Depth_m	Calc_Elevatio	Group	Formation	Member
2380	-2350.11	Horton	Albert	Hiram Brook
	-2377.74	Horton	Albert	
	-2380.79	Horton	Albert	
	-2383.84	Horton	Albert	
2390	-2360.11	Horton	Albert	Hiram Brook
	-2386.89	Horton	Albert	
	-2389.93	Horton	Albert	
	-2392.98	Horton	Albert	
2400	-2370.11	Horton	Albert	Hiram Brook
2400	-2357.16	Horton	Albert	
2400	-2310.34	Horton	Albert	Hiram Brook
	-2396.03	Horton	Albert	
	-2399.08	Horton	Albert	
	-2402.13	Horton	Albert	
	-2405.17	Horton	Albert	
2410	-2380.11	Horton	Albert	Hiram Brook
	-2408.22	Horton	Albert	
	-2411.27	Horton	Albert	
	-2414.32	Horton	Albert	
2420	-2390.11	Horton	Albert	Hiram Brook
	-2401.21	Windsor		
2421	-2398.55	Horton	Albert	
	-2417.37	Horton	Albert	
	-2420.41	Horton	Albert	
	-2423.46	Horton	Albert	
2430	-2400.11	Horton	Albert	Hiram Brook
	-2426.51	Horton	Albert	
	-2429.56	Horton	Albert	
2435	-2371.62	Horton	Albert	
	-2432.61	Horton	Albert	
	-2435.65	Horton	Albert	
2440	-2410.11	Horton	Albert	Hiram Brook
	-2438.7	Horton	Albert	
	-2441.75	Horton	Albert	
	-2444.8	Horton	Albert	
2450	-2420.11	Horton	Albert	Hiram Brook
	-2446.32	Horton	Albert	
	-2449.37	Horton	Albert	

Sample_Description
Shale dark grey occassionally black
60% medium grey to dark grey siltstone, siltyshale and shale; 30% greyish re
50% greyish-red siltstone to mudstone; 40% medium grey to grey black siltys
50% greyish red siltstone and silty mudstone; 40% medium grey to grey black
Shale dark grey occassionally black
55% medium grey to grey black siltyshale and shale; 35% greyish red silty mu
60% medium grey to grey black siltyshale and shale; 20% greyish red mudsto
60% medium grey to grey black siltyshale and shale; 25% greyish red mudsto
60% Shale dark grey occassionally black, 40% Siltstone dark grey brown
Red brown to dark grey green Shale
Shale dark red brown
65% medium grey to dark grey siltyshale and shale (some turns black in flam
85% medium grey to dark grey siltyshale and shale; 5% greyish red mudston
90% medium grey to dark grey siltyshale and shale (some turns black in flam
90% medium grey to dark grey siltyshale and shale (some turns black in flam
20% Sandstone light brown grey, 80% Siltstone, medium grey brown
85% medium grey to dark grey siltyshale and shale (some turns black in flam
90% medium grey to grey black siltyshale and shale; 5% greyish red mudston
90% medium grey to grey black siltyshale and shale; 5% greyish red mudston
10% Sandstone light brown, brown-grey, 60% Siltstone, medium grey-brown,
Claystone light-medium-dark grey and black
85% medium grey to grey black siltyshale and shale (some turns black and s
85% medium grey to grey black siltyshale and shale (some turns black in fla
65% medium grey to grey black siltyshale and shale; 5% greyish red mudston
10% Sandstone light brown, brown-grey, 60% Siltstone, medium grey-brown,
75% medium grey to grey black siltyshale and shale; 5% greyish red mudston
46% medium grey to grey black siltyshale and shale (some turns black in fla
Sandstone fine to medium grained, dead oil/bitumen specks
47% medium grey to grey black siltyshale and shale; 2% greyish red mudston
52% medium grey to grey black siltyshale and shale (some turns black in fla
Shale dark grey
51% medium grey to grey black siltyshale and shale (some turns black in fla
48% medium grey to grey black siltyshale and shale (some turns black in fla
58% medium grey to grey black siltyshale and shale; 1% greyish red mudston
50% Sandstone light brown, brown-grey, 50% Shale dark grey
48% medium grey to grey black siltyshale and shale (some turns black in fla
50% medium grey to grey black siltyshale and shale (some turns black in fla

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Deptl	Top_m	Bottom_m
253	325	41 - 8050-8060	16	Y	2456.69	2453.64	2456.69
310	325	42 - 8060-8070	16	Y	2459.74	2456.688	2459.74
2817	720	2460	32	Y	2460		
2874	723	2460	36	Y	2460		
301	325	43 - 8070-8080	16	Y	2462.78	2459.736	2462.78
2845	710	MC1 -2463	32	Y	2463		
324	325	44 - 8080-8090	16	Y	2465.83	2462.784	2465.83
323	325	45 - 8090-8100	16	Y	2468.88	2465.832	2468.88
2818	720	2470	32	Y	2470		
322	325	46 - 8100-8110	16	Y	2471.93	2468.88	2471.93
321	325	47 - 8110-8120	16	Y	2474.98	2471.928	2474.98
318	325	48 - 8120-8130	16	Y	2478.02	2474.976	2478.02
2819	720	2480	32	Y	2480		
319	325	49 - 8130-8140	16	Y	2481.07	2478.024	2481.07
307	325	50 - 8140-8150	16	Y	2484.12	2481.072	2484.12
317	325	51 - 8150-8160	16	Y	2487.17	2484.12	2487.17
2820	720	2490	32	Y	2490		
2875	723	2490	36	Y	2490		
316	325	52 - 8160-8170	16	Y	2490.22	2487.168	2490.22
315	325	53 - 8170-8180	16	Y	2493.26	2490.216	2493.26
314	325	54 - 8180-8190	16	Y	2496.31	2493.264	2496.31
3606	325	NBDNR-33	38	Y	2497.84	2491.74	2497.84
313	325	55 - 8190-8200	16	Y	2499.36	2496.312	2499.36
2821	720	2500	32	Y	2500		
312	325	56 - 8200-8210	16	Y	2502.41	2499.36	2502.41
308	325	57 - 8210-8220	16	Y	2505.46	2502.408	2505.46
250	325	58 - 8220-8228	16	Y	2507.89	2505.456	2507.89
2822	720	2510	32	Y	2510		
2823	720	2520	32	Y	2520		
2846	710	MC1 -2520	32	Y	2520		
2876	723	2530	36	Y	2530		
524	333	IC Hillsborough 1 -2540	4	Y	2540		
2824	720	2540	32	Y	2540		
2825	720	2550	32	Y	2550		
2826	720	2560	32	Y	2560		
2877	723	2560	36	Y	2560		
255	333	IC Hillsborough 1 -2565	25	Y	2565		
2827	720	2570	32	Y	2570		

Depth_m	Calc_Elevatio	Group	Formation	Member
	-2452.42	Horton	Albert	
	-2455.47	Horton	Albert	
2460	-2430.11	Horton	Albert	Hiram Brook
2460	-2370.34	Horton	Albert	Hiram Brook
	-2458.51	Horton	Albert	
2463	-2440.55	Horton	Albert	
	-2461.56	Horton	Albert	
	-2464.61	Horton	Albert	
2470	-2440.11	Horton	Albert	Hiram Brook
	-2467.66	Horton	Albert	
	-2470.71	Horton	Albert	
	-2473.75	Horton	Albert	
2480	-2450.11	Horton	Albert	Hiram Brook
	-2476.8	Horton	Albert	
	-2479.85	Horton	Albert	
	-2482.9	Horton	Albert	
2490	-2460.11	Horton	Albert	Hiram Brook
2490	-2400.34	Horton	Albert	Hiram Brook
	-2485.95	Horton	Albert	
	-2488.99	Horton	Albert	
	-2492.04	Horton	Albert	
	-2493.57	Horton	Albert	
	-2495.09	Horton	Albert	
2500	-2470.11	Horton	Albert	Hiram Brook
	-2498.14	Horton	Albert	
	-2501.19	Horton	Albert	
	-2503.62	Horton	Albert	
2510	-2480.11	Horton	Albert	Hiram Brook
2520	-2490.11	Horton	Albert	Hiram Brook
2520	-2497.55	Horton	Albert	
2530	-2440.34	Horton	Albert	Hiram Brook
2540	-2476.62	Horton	Albert	
2540	-2510.11	Horton	Albert	Fredericks Bro
2550	-2520.11	Horton	Albert	Fredericks Bro
2560	-2530.11	Horton	Albert	Fredericks Bro
2560	-2470.34	Horton	Albert	Hiram Brook
2565	-2501.62	Horton	Albert	
2570	-2540.11	Horton	Albert	Fredericks Bro

Sample_Description
53% medium grey to grey black siltyshale and shale (some turns black in fla
65% medium grey to grey black siltyshale and shale (some turns black in fla
Sandstone light brown, brown-grey, medium to coarse grained
Sandstone mottled grey, green brown, light olive grey, Shale dark grey locally
70% medium grey to grey black siltyshale and shale (some turns black in fla
Claystone medium-dark grey, occassionally black
6552% medium grey to grey black siltyshale and shale (some turns black in fl
62% medium grey to grey black siltyshale and shale (some turns black in fla
50% Sandstone light brown, brown-grey, medium to coarse grained, 50% Silt
62% medium grey to grey black siltyshale and shale (some turns black in fla
84% medium grey to grey black siltyshale and shale (some turns black in fla
64% medium grey to grey black siltyshale and shale (some turns black in fla
20% Shale dark grey, 80% Siltstone medium grey brown
49% medium grey to grey black siltyshale and shale (some turns black in fla
67% medium grey to grey black siltyshale and shale (some turns black in fla
80% medium grey to grey black siltyshale and shale (some turns black in fla
80% Shale dark grey, 20% Siltstone medium grey brown
Shale dark grey almost black
82% medium grey to grey black siltyshale and shale (some turns black in fla
83% medium grey to grey black siltyshale and shale (some turns black in fla
78% medium grey to grey black siltyshale and shale (some turns black in fla
dark grey Shale in light grey Sandstone
72% medium grey to grey black siltyshale and shale (some turns black in fla
Shale dark grey
72% medium grey to grey black siltyshale and shale (some turns black in fla
77% medium grey to grey black siltyshale and shale (some turns black in fla
82% medium grey to grey black siltyshale and shale (some turns black in fla
Shale dark grey
Shale dark grey
Claystone light-medium-dark grey and greyish brown
Shale dull black to very dark grey, Sandstone pale red brown
Shale black, very carbonaceous, very fine pyrite, Sandstone very fine grained,
Core Lithology was 100% Shale. Samples were probably cavings
Shale dark grey
80% Shale dark grey, 20% Sandstone light brown
85% Shale dark grey to black, 15% Shale dull red brown
Shale dark grey-black, part very black and carbonaceous, dolomitic
Shale dark grey-black

General_Note	Sample_Type	Palynology
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
525	333	IC Hillsborough 1 -2575	4	Y	2575		
2828	720	2580	32	Y	2580		
3619	701	NBDNR-21	38	Y	2580		
2829	720	2590	32	Y	2590		
2847	710	MC1 -2595	32	Y	2595		
2830	720	2600	32	Y	2600		
2858	717	Sample Bag # 2601m	35	Y	2601		
2831	720	2610	32	Y	2610		
2878	723	2610	36	Y	2610		
2832	720	2620	32	Y	2620		
2833	720	2630	32	Y	2630		
2834	720	2640	32	Y	2640		
2835	720	2650	32	Y	2650		
2879	723	2670	36	Y	2670		
256	333	IC Hillsborough 1 -2675	25	Y	2675		
526	333	IC Hillsborough 1 -2680	4	Y	2680		
527	333	IC Hillsborough 1 -2690	4	Y	2690		
2880	723	2690	36	Y	2690		
2881	723	2710	36	Y	2710		
528	333	IC Hillsborough 1 -2725	4	Y	2725		
2882	723	2730	36	Y	2730		
2883	723	2770	36	Y	2770		
2884	723	2780	36	Y	2780		
2859	717	Sample Bag # 2787m	35	Y	2787		
2885	723	2800	36	Y	2800		
2886	723	2810	36	Y	2810		
2887	723	2820	36	Y	2820		
257	333	IC Hillsborough 1 -2835	25	Y	2835		
529	333	IC Hillsborough 1 -2835	4	Y	2835		
530	333	IC Hillsborough 1 -2845	25	Y	2845		
2888	723	2850	36	Y	2850		
2889	723	2860	36	Y	2860		
2890	723	2880	36	Y	2880		
2891	723	2920	36	Y	2920		
2892	723	2940	36	Y	2940		
2893	723	2950	36	Y	2950		
2894	723	2960	36	Y	2960		
2895	723	2970	36	Y	2970		

Depth_m	Calc_Elevatio	Group	Formation	Member
2575	-2511.62	Horton	Albert	
2580	-2550.11	Horton	Albert	Fredericks Bro
2580	-2368.2	Horton	Albert	
2590	-2560.11	Horton	Albert	Fredericks Bro
2595	-2572.55	Horton	Albert	
2600	-2570.11	Horton	Albert	Fredericks Bro
2601	-2558.16	Horton	Albert	
2610	-2580.11	Horton	Albert	Fredericks Bro
2610	-2520.34	Horton	Albert	Hiram Brook
2620	-2590.11	Horton	Albert	Fredericks Bro
2630	-2600.11	Horton	Albert	Fredericks Bro
2640	-2610.11	Horton	Albert	Fredericks Bro
2650	-2620.11	Horton	Albert	Fredericks Bro
2670	-2580.34	Horton	Albert	Hiram Brook
2675	-2611.62	Horton	Albert	
2680	-2616.62	Horton	Albert	
2690	-2626.62	Horton	Albert	
2690	-2600.34	Horton	Albert	Hiram Brook
2710	-2620.34	Horton	Albert	Hiram Brook
2725	-2661.62	Horton	Albert	
2730	-2640.34	Horton	Albert	Hiram Brook
2770	-2680.34	Horton	Albert	Hiram Brook
2780	-2690.34	Horton	Albert	Hiram Brook
2787	-2744.16	Horton	Albert	
2800	-2710.34	Horton	Albert	Hiram Brook
2810	-2720.34	Horton	Albert	Hiram Brook
2820	-2730.34	Horton	Albert	Hiram Brook
2835	-2771.62	Horton	Albert	
2835	-2771.62	Horton	Albert	
2845	-2781.62	Horton	Albert	
2850	-2760.34	Horton	Albert	Hiram Brook
2860	-2770.34	Horton	Albert	Hiram Brook
2880	-2790.34	Horton	Albert	Hiram Brook
2920	-2830.34	Horton	Albert	Hiram Brook
2940	-2850.34	Horton	Albert	Hiram Brook
2950	-2860.34	Horton	Albert	Hiram Brook
2960	-2870.34	Horton	Albert	Hiram Brook
2970	-2880.34	Horton	Albert	Hiram Brook

Sample_Description
Sandstone light grey, very fine black, bitumen specks thorughout, 10% Shale
Shale dark grey-black
medium to dark grey Shale
Shale dark grey-black to black
Claystone medium-dark grey-black
Shale dark grey-black to black
Dark grey Shale
90% Shale dark grey-black to black, 10% Siltstone dark grey
70% Shale dark grey, trace dull black, 15% Shale dull red brown, 15% interbe
80% Shale dark grey-black to black, 20% Siltstone dark grey
60% Shale dark grey-black to black, 10% Siltstone dark grey, 30% Sandsotne
90% Shale dark grey-black to black, 10% Siltstone dark grey
80% Shale dark grey-black to black, 20% Siltstone dark grey
85% Shale dark grey, trace dull black, 15% dolomitic Siltstone dull red brown
Shale black, very fine grained to fine grained, carbonaceous, dolomitic
Sandstone very fine to fine grained, argillaceous, pyritic, 30-4-% Shale black,
Sandstone light to medium grey-brownish, fine grained, fair bitumen specks,
Shale dark grey
80% Shale very dark grey to grey, 20% Sanstone green grey to light grey
Sandstone light brownish mottled, fine grained, local trace black bitumen spe
Shale very dark grey to dark grey
85% Shale very dark grey to dark grey, 15% Sandstone green grey
Shale very dark grey
Red brown to dark grey Shale
Shale very dark grey
Shale very dark grey, locally red brown
Shale very dark grey, local Sandstone light grey to mottled grey
Shale dark brwonish grey silty sandy dolomitic slightly carbonaceous/bitumino
Shale dark brownish grey silty to sandy dolomitic, slightly carbonaceous/bitum
Shale dark brownish grey silty to sandy dolomitic, slightly carbonaceous/bitum
Shale very dark grey, locally dull black
Siltstone light grey, Shale very dark grey, Sandstone light grey
Siltstone light grey, Shale very dark grey, Sandstone light grey
Shale medium to dark grey, Sandstone light grey - light grey brown
Shale medium to dark grey, Siltstone light to light grey and grey brown
Shale medium to dark grey, Sandstone light grey - mottled light grey brown
Shale medium to dark grey, Siltstone light to light grey and grey brown
Shale medium to dark grey, Siltstone mottled light to light grey and grey brow

General_Note	Sample_Type	Palynology
	Cuttings	☐
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	Cuttings	☐
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Dh_Sample_ID	Unique_I	Sample_Number	Refe	Plot	Calc_Dept	Top_m	Bottom_m
2896	723	2980	36	Y	2980		
531	333	IC Hillsborough 1 -2985	25	Y	2985		
2897	723	2990	36	Y	2990		
2860	717	Sample Bag # 2991m	35	Y	2991		
532	333	IC Hillsborough 1 -3000	25	Y	3000		
2898	723	3000	36	Y	3000		
2861	717	Sample Bag # 3006m	35	Y	3006		
2899	723	3010	36	Y	3010		
2900	723	3020	36	Y	3020		
2901	723	3030	36	Y	3030		
2902	723	3040	36	Y	3040		
2903	723	3050	36	Y	3050		
2904	723	3070	36	Y	3070		
2905	723	3090	36	Y	3090		
2906	723	3110	36	Y	3110		
2862	717	Sample Bag # 3141m	35	Y	3141		
2907	723	3150	36	Y	3150		
2908	723	3160	36	Y	3160		
2909	723	3170	36	Y	3170		
2910	723	3200	36	Y	3200		
2911	723	3210	36	Y	3210		
2912	723	3230	36	Y	3230		
2913	723	3240	36	Y	3240		
2914	723	3250	36	Y	3250		

Depth_m	Calc_Elevatio	Group	Formation	Member
2980	-2890.34	Horton	Albert	Hiram Brook
2985	-2921.62	Horton	Albert	
2990	-2900.34	Horton	Albert	Hiram Brook
2991	-2948.16	Horton	Albert	
3000	-2936.62	Horton	Albert	
3000	-2910.34	Horton	Albert	Hiram Brook
3006	-2963.16	Horton	Albert	
3010	-2920.34	Horton	Albert	Hiram Brook
3020	-2930.34	Horton	Albert	Hiram Brook
3030	-2940.34	Horton	Albert	Hiram Brook
3040	-2950.34	Horton	Albert	Hiram Brook
3050	-2960.34	Horton	Albert	Hiram Brook
3070	-2980.34	Horton	Albert	Hiram Brook
3090	-3000.34	Horton	Albert	Hiram Brook
3110	-3020.34	Horton	Albert	Hiram Brook
3141	-3098.16	Horton	Albert	
3150	-3060.34	Horton	Albert	Fredericks Bro
3160	-3070.34	Horton	Albert	Fredericks Bro
3170	-3080.34	Horton	Albert	Fredericks Bro
3200	-3110.34	Horton	Albert	Fredericks Bro
3210	-3120.34	Horton	Albert	Fredericks Bro
3230	-3140.34	Horton	Albert	Fredericks Bro
3240	-3150.34	Horton	Albert	Fredericks Bro
3250	-3160.34	Horton	Albert	Fredericks Bro

Sample_Description
Shale medium to dark grey, trace black
Shale silty, slightly dolomitic, very fine pyrite, 5% black, slightly to very carboa
Shale medium to dark grey, Siltstone mottled light to light grey and grey brow
Dark grey Shale
Shale dark brownish grey, silty, sandy, 25% darker carbonacous/bituminous,
Shale medium to dark grey, Sandstone light grey - mottled light grey brown
Dark grey Shale
Shale medium to dark grey, Siltstone mottled light to light grey and grey brow
Shale medium to dark grey, Sandstone light grey - mottled light grey brown
Shale medium to dark grey, Siltstone mottled light to light grey and grey brow
Shale medium to dark grey, Siltstone mottled light to light grey and grey brow
Shale medium to dark grey, Siltstone mottled light to light grey and grey brow
Shale medium to dark grey, Siltstone mottled light to light grey and grey brow
Shale medium to dark grey, Sandstone mottled grey and light grey brown, Cla
Sandstone mottled grey - dark grey
Medium to dark grey Shale
Sandstone mottled grey - dark grey, Claystone light grey
Sandstone off white to light grey brown
Sandstone mottled grey - dark grey, Claystone light grey
Sandstone dark grey mottled tan and light grey, Shale medium to dark grey
Sandstone mottled grey - dark grey, Claystone light grey
Sandstone off white to light grey brown, Siltstone grey to grey brown
Siltstone grey- grey brown
Sandstone off white to light grey brown, Siltstone grey to grey brown

General_Note	Sample_Type	Palynology
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	Cuttings	☐
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	Cuttings	☐
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Dh_VITRINITE_REFLECTANCE

8/31/2005

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
39	128	1	0.7	0.04				
40	129	1	0.61	0.04				
105	575	13	0.43	0.09				
166	596	13	0.86	0.11				
174	652	13	0.46	0.1				
175	658	13	0.5	0.09				
176	845	13	0.33	0.06				
1	1	14	1.4					
2	2	14	1.36					
3	3	14	2.32					
4	4	14	2.53					
7	7	14	1.18					
8	8	14	1.69					
9	9	14	1.6					
10	10	14	1.56					
11	11	14	1.41					
48	160	14	1.1					
49	161	14	1.18					
50	162	14	1.2					
51	163	14	0.76					
182	1700	14	0.89					
183	1701	14	0.71					
184	1702	14	0.8					
185	1703	14	0.79					
186	1704	14	0.95					

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
187	1705	14	0.76					
188	1706	14	0.7					
189	1707	14	1.08					
190	1708	14	0.93					
191	1709	14	0.61					
193	1711	14	1.1					
194	1712	14	0.92					
195	1713	14	0.74					
196	1714	14	0.85					
197	1715	14	0.95					
198	1716	14	0.71					
199	1717	14	0.68					
200	1718	14	1.11					
201	1719	14	0.7					
202	1720	14	0.79					
203	1721	14	0.72					
206	1724	14	0.65					
207	1725	14	0.65					
208	1726	14	0.62					
209	1727	14	0.64					
210	1728	14	0.68					
211	1729	14	0.98					
212	1730	14	0.69					
213	1731	14	0.69					
214	1732	14	0.88					

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
215	1733	14	0.66					
217	1735	14	0.92					
218	1736	14	1					
219	1737	14	0.95					
220	1738	14	0.76					
221	1739	14	0.99					
222	1740	14	0.93					
223	1741	14	1.15					
224	1742	14	0.91					
225	1743	14	1.18					
226	1744	14	0.89					
227	1745	14	0.83					
228	1746	14	0.97					
229	1747	14	1.14					
230	1748	14	0.99					
231	1749	14	0.97					
232	1750	14	0.81					
233	1751	14	0.95					
234	1752	14	1.03					
235	1753	14	1.07					
237	1756	14	1.21					
238	1757	14	1					
239	1758	14	1.43					
240	1759	14	1.25					
241	1760	14	0.87					

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
242	1761	14	1.12					
243	1762	14	1.19					
244	1763	14	1.28					
245	1764	14	1.12					
246	1765	14	0.88					
247	1766	14	1.12					
248	1767	14	1.11					
249	1768	14	1.09					
250	1769	14	1.09					
251	1770	14	0.86					
252	1771	14	1.03					
253	1772	14	0.95					
254	1773	14	0.84					
255	1774	14	0.87					
256	1775	14	0.8					
257	1776	14	1.08					
258	1777	14	0.85					
259	1778	14	0.8					
260	1779	14	0.91					
261	1780	14	0.91					
262	1781	14	0.8					
263	1782	14	1.02					
264	1783	14	1					
265	1784	14	0.94					
266	1785	14	0.89					

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
267	1786	14	0.9					
268	1787	14	0.87					
269	1788	14	0.93					
270	1789	14	1					
271	1790	14	0.77					
272	1791	14	1.03					
273	1792	14	1.12					
274	1793	14	1.13					
275	1794	14	0.74					
276	1795	14	0.83					
277	1796	14	0.76					
278	1797	14	0.81					
279	1798	14	0.75					
280	1799	14	0.96					
281	1800	14	0.84					
282	1801	14	1.04					
283	1802	14	0.9					
284	1803	14	0.83					
285	1804	14	0.92					
286	1805	14	0.88					
287	1806	14	0.75					
288	1807	14	0.75					
289	1808	14	0.67					
290	1809	14	0.75					
291	1810	14	0.94					

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
5	5	15	1.2					
6	6	15	1.78					
87	229	15	0.76					
88	230	15	0.72					
90	232	15	1					
204	1722	15	0.7					
205	1723	15	0.74					
216	1734	15	0.75					
236	1754	15	0.95		0.4	2.3		
52	166	19	1.04				5.7	Spores rare.
53	167	19	1.01				5.6	+/-; Spores rare. Two peaks on histogram
56	170	19	1.04				5.7	+/-; Spores rare. Two peaks on histogram
57	171	19	1.1				6	Kerogen Color: 5.5-6.0, Ro: 1-1.1; Abundant Vitrinite but NO Spores
59	173	19	1.07				5.8	Spores rare.
60	174	19	1.14				6.2	Oxidized residue
62	176	19	1.27				6.8	Oxidized residue. Rich; color fairly uniform
66	165	19	1.29				6.9	Oxidized residue. Rich; color fairly uniform
68	182	19	1.3				7	Oxidized residue. Rich; color fairly uniform
91	533	19	1.27		0.92	2.9	6.8	SCI and Vitrinite calculated from TAI
94	536	19	1.28		1	3	6.9	SCI and Vitrinite calculated from TAI
95	537	19	1.35		1	3	7.1	SCI and Vitrinite calculated from TAI
97	539	19	1.46		1.32	3.2	7.8	SCI and Vitrinite calculated from TAI
99	541	19	1.65		1.81	3.5	8.8	Very few spores. SCI and Vitrinite calculated
101	543	19	1.7				8.6	8.5-9, 1.6-1.7 Values dominantly caving
106	254	19	1.7		1.81	3.5-4	8.9	Oxidized residue. Spores extremely rare.

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
111	260	19	0.94				5.2	
115	264	19	1.1				6	+/-; Values appear to be mostly caved
116	265	19	1.14				6.2	Very little caving
117	266	19	1.2				6.5	Spores rare
118	267	19	1.21				6.6	
119	268	19	1.2				6.5	+/-; Some caving affect value
120	269	19	1.23				6.7	
151	449	19	0.56				3.3	Two peaks Values > 4.5 reworked or fluid stained
152	454	19	0.54				3.2	
153	456	19	0.83				4.7	
154	461	19	0.89				4.95	
155	468	19	1.03				5.7	Spores rare. FeS2 prominent
156	474	19	1.12				6.1	Spores rare. FeS2 prominent
157	480	19	1.1				6	Spores extremely rare. FeS2 prominent
158	485	19	1.2				6.5	Spores rich. FeS2 prominent
159	492	19	1.27				6.8	Very heavy FeS2
160	498	19	1.28				6.9	
161	503	19	1.3				7	
162	504	19	1.6				8.5	??? Values may be caved. Color increase noted
54	168	21			0.76	2.75+		
55	169	21			0.76	2.75+		
58	172	21			1	3.0-3.25		
61	175	21			0.76	?(2.75+-3.25)		
63	177	21			1.39	3.25-3.5		
64	178	21			1.39	?3.25+		

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
65	179	21			1.39	3.25-3.5		
67	181	21			1.81	3.5+		
69	183	21			0.5	+-2.5		
70	184	21			0.5	2.5+		
71	185	21			0.76	+-2.75		
72	186	21			0.76	+-2.75		
73	187	21			0.76	+-2.75+		
135	352	21			1.39	+-3.25		
136	353	21			0.76	+-2.75		
137	354	21			0.76	2.75+		
138	355	21			0.76	2.75-3.0		
139	356	21			1	+-3.0		
140	357	21			1.15	3.0-3.25		
141	358	21			1.57	3.25-3.5		
142	359	21			1.08	+-3.0(+)		
424	3691	21			0.63	2.5-2.75		Moderately poor flora. Mostly Vitrinite
425	3692	21			0.76	+/-2.75		Moderately poor flora. Trace alginite
426	3693	21			2.21	+/-3.75		Very few spores
427	3694	21			2.88	3.75-4.0		Few Spores. Poor organic yield
428	3695	21			2.88	3.75-4.0		Few Spores. Poor organic yield.
429	3696	21			2.88	3.75-4.0		Few spores. Poor orgainc yield.
430	3697	21			1	+/-3.0		Very rich spore flora
431	3698	21			1	+/-3.0		Moderately rich spore flora. +/-10% Alginite
432	3699	21			1	+/-3.0		Moderately rich spore flora. +/-70% Alginite
433	3700	21			1	+/-3.0		Moderately rich spore flora. +/-70% Alginite

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
434	3701	21			1.57	3.25-3.5		Moderately rich spore flora. trace Alginite
435	3702	21			1.81	+/-3.5		Moderately rich spore flora. +/-50% Alginite
436	3703	21			1.81	+/-3.5		Moderately rich spore flora. +/-40% Alginite
437	156	21			0.85	2.75-3.0		Common Spores (corroded). +/-30% Alginite
438	144	21			1.39	3.25		Moderately rich flora, mainly inertinite
439	3704	21			1.39	+/-3.25		Rich spore flora (badly corroded) ?in situ?
440	3705	21			1.39	+/-3.5		Moderately rich flora, mainly inertinite matter
441	3706	21			0.63	2.5-2.75		Extremely rich spore flora. Mostly spores and vitrinite
442	3708	21			0.63	2.5-2.75		Extremely rich spore flora. 50% spores
443	3709	21			0.76	+/-2.75		Rich spore flora. +/-50% spores, 5% alginite
444	3710	21			0.85	2.75-3.0		Extremely rich spore flora. 50% spores & vitrinite, +/-10% alginite
445	3711	21			0.85	2.75-3.0		Very rich spore flora, badly corroded, +/-15% alginite
446	3712	21			0.63	2.5-2.75		Moderately rich spore flora, +/-5% alginite
447	3713	21			0.76	+/-2.75		Moderately rich spore flora, +/-60% Alginite
448	3714	21			1.39	+/-3.25		Poor recovery. Few spores. Mostly inertinite + vitrinite
449	3715	21			1.39	+/-3.25		Very rich spore flora. Mostly vitrinite + inertinite, trace alginite
450	3716	21			1.48	3.25+		Rich spore flora, Mostly vitrinite, inertinite
451	3717	21			1.57	3.25-3.5		Moderately rich spore flora. Mostly vitrinite + inertinite
452	3718	21			1	+/-3		moderately rich spore flora. Mostly vitrininte/inertinite
453	3719	21			1.39	+/-3.25		Very few spores, mostly vitrintie/Inertite
454	3720	21			0.85	2.75-3.0		Moderately rich spore flora. Mostly vitrinite/inertinite
455	3721	21			1	+/-3.0		Few spores, mostly vitrinite/inertinite
456	3722	21			1.15	3.0-3.25		Very rich spore flora, mostly vitrinite/inertinite
457	3723	21			1	+/-3.0		Extremely rich spore flora, +/-10% vitrinite
458	3724	21			1.15	3.0-3.25		Very rich spore flora, +/-35% alginite. (Significant potential for the

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
459	3725	21			2.21	3.75		Rich spore flora, +/-10% alginite. (Thermally overmature)
460	3726	21			2.21	+/-3.75		Rich spore flora, mostly vitrinite + inertinite
461	3727	21			1.39	+/-3.25		Moderately rich spore flora, mostly vitrinite/inertinte
462	3728	21			0.5	+/-2.5		Moderately rich flora
463	3729	21			0.58	2.5-2.75		Very rich flora, +/-80% Vitrinite
464	3730	21			0.58	2.5-2.75		Rich flora, +/-10% Vitrinite, +/-20% Alginite
465	3731	21			0.58	2.5-2.75		Moderately rich flora, +/-15% Alginite
466	3732	21			0.85	2.75-3.0		Moderately rich flora, +/-75% Alginite
467	3733	21			0.85	2.75-3.0		Poor flora, +/-75% Alginite
468	3734	21			1	+/-3.0		Moderately rich flora, +/-75% Alginite
469	3735	21			1	+/-3.0		Moderate poor flora, +/-75% Alginite
470	3736	21			1	+/-3.0		Poor flora, +/-70% Alginite
25	101	22	0.7		0.42	2.35	4	?A very high peak at SCI6 Reworked fraction, SCI 4
26	102	22	0.72		0.42	2.35	4.1	
27	103	22	0.8		0.44	2.4	4.5	
28	104	22	1.15		0.92	2.9	6.3	
29	105	22	1.45		1.48	3.3	7.75	
30	106	22	1.5		1.64	3.4	8.1	
74	188	24	0.5		0.29	2-/2		
75	189	24	0.5		0.29	2-/2		
89	231	24	0.5		0.29	2-/2		
192	1710	24	0.5		0.29	2-/2		
32	117	26	0.42	0.01				mostly recycled vitrinite
33	118	26	0.73	0.05				See Also Ref 13
34	119	26	0.97	0.09				See Also Ref 13

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
35	120	26	0.95	0.11				doubtful data, few measurable grains
36	124	26	1.12	0.09				See Also Ref 13
37	125	26	0.49	0.02				doubtful data, few measurable grains
38	126	26	1.13	0.06				See Also Ref 13
41	134	26	0.62	0.06				See Also Ref 13
42	135	26	0.64	0.03				See Also Ref 13
43	136	26	0.91	0.06				See Also Ref 13, Value from group 'B' suspicious
44	156	26	0.65	0.07				See Also Ref 13
45	157	26	0.64	0.07				See Also Ref 13
46	158	26	0.91	0.09				See Also Ref 13
47	159	26	1.04	0.08				See Also Ref 13
121	279	26	0.38	0.03				doubtful data, few measurable grains
122	280	26	0.75	0.04				See Also Ref 13
123	281	26	0.62	0.05				See Also Ref 13
124	282	26	0.6	0.01				See Also Ref 13
125	283	26	0.62	0.03				See Also Ref 13
126	284	26	0.67	0.05				See Also Ref 13
127	285	26	0.66	0.04				See Also Ref 13
128	286	26	0.36	0.04				See Also Ref 13
129	287	26	0.34	0.05				See Also Ref 13
130	296	26	0.37	0.06				See Also Ref 13
131	297	26	0.38	0.07				See Also Ref 13
132	298	26	0.34	0.08				See Also Ref 13
133	299	26	0.4	0.09				See Also Ref 13
134	300	26	0.4	0.04				See Also Ref 13

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
163	585	26	0.36	0.03				See Also Ref 13
164	586	26	0.48	0.08				See Also Ref 13
165	587	26	0.48	0.06				See Also Ref 13
169	638	26	0.3	0.07				See Also Ref 13
170	639	26	0.3	0.05				See Also Ref 13
171	640	26	0.33	0.08				See Also Ref 13
172	641	26	0.33	0.07				See Also Ref 13
173	642	26	0.52	0.05				doubtful data, few measurable grains
177	847	26	0.52	0.07				See Also Ref 13
178	848	26	0.46	0.05				See Also Ref 13
179	849	26	0.49	0.07				See Also Ref 13
180	841	26	0.5	0.04				See Also Ref 13
181	851	26	0.5	0.04				See Also Ref 13
293	1827	30	0.87	0.04				56 readings
301	2769	32	0.77	0.08				Yellow-orange fluorescent spore
302	2778	32	1.24	0.04				Mostly nonfluorescent lipinite
303	2783	32	1.03	0.06				Yellow-brown fluorescent liptinite
304	2790	32	1.29	0.08				Orange-red fluorescent liptinite
305	2797	32	1.35	0.05				Brown fluorescent AOM
306	2807	32	1.48	0.01				Nonfluorescent; Good Data
307	2816	32	1.57	0.21				Nonfluorescent; Good Data
308	2824	32	1.68	0.09				Nonfluorescent; Good Data
309	2830	32	1.78	0.1				Nonfluorescent; Good Data
310	2835	32	1.8	0.11				Nonfluorescent; Good Data
311	2836	32	1.07					

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
312	2838	32	1.31					
313	2842	32	1.39					
314	2843	32	1.48					
315	2846	32	1.65					
423	3690	33			0.5	2.0 - 3.0		
316	2848	34			0.29	2		Mainly exinous and some coagulated and finely dispersed
317	2849	34			0.29	2		Mainly coagulated and finely dispersed amorphous; reminder
318	2850	34			0.29	2		Mainly coagulated and finely dispersed amorphous; reminder
319	2851	34			0.3	2+		Mainly exinous and some amorphous; reminder woody and
320	2852	35	0.97	0.13				Not many measurable vitrinite grains
321	2853	35	1.21	0.08				Not many measurable vitrinite grains
322	2854	35	1.54	0.1				Abundant Inertinite; overmature
323	2855	35	1.5	0.13				Overmature
324	2856	35	1.68	0.16				Lignite mud additives;Overmature
325	2857	35	1.51	0.12				Overmature; partially bitumen suppressed
326	2858	35	1.79	0.14				Overmature; pyrobitumen present
327	2859	35	1.89	0.12				Overmature & exhausted oil-prone source rock
328	2860	35	2.15	0.16				Overmature & exhausted oil-prone source rock
329	2861	35	2.21	0.11				Overmature & exhausted oil-prone source rock
330	2862	35	2.25	0.13				Overmature & exhausted oil-prone source rock
331	2863	35	0.65					Projected Ro from Thermal Alteration Index
332	2864	35	0.75	0.06				Abundant oxidized organic matter present
333	2865	35	0.7	0.05				Oil-prone Type I-II SR; suppressed Ro
334	2866	35	0.81	0.05				Oil-prone Type I-II SR
335	2867	35	0.81	0.03				Suppressed Ro

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
336	2868	35	0.52	0.07				Oil-prone Type I-II SR partially oxidized
337	2869	35	0.61	0.1				Oil-prone Type I-II SR partially depleted in HC
338	2870	35	0.81	0.04				Bitumen Ro = 0.49%
339	2871	35	0.87	0.06				Abundant inertinite & recycled organic matter
340	2915	36	0.6	0.09				Marginally Mature; Yellow fl. Algae
341	2872	36	0.6	0.08				Abundant Oxidized OM
342	2873	36	0.89					All oxidized OM; Uncertain Data
343	2883	36	0.83	0.07				Abundant Lignite Mud Additives
344	2891	36	1.11	0.23				Abundant Lignite Mud Additives
345	2900	36	1.54	0.12				Lignite Mud Additives
346	2906	36	1.7	0.08				Nonfluorescent; Good Data
348	2914	36	2.03	0.19				Nonfluorescent; Good Data
349	3592	38	1.53	0.13				overmature
350	3593	38	0.82	0.09				mature
351	3594	38	1.58	0.15				overmature
352	3595	38	0.56	0.06				immature
353	3596	38	0.76	0.06				mature
354	3597	38	0.92	0.09				mature
355	3598	38	0.61	0.03				mature
356	3599	38	0.88	0.08				mature
357	3600	38	0.82	0.06				mature
358	3601	38	0.83	0.09				mature
359	3602	38	0.76	0.07				mature
360	3603	38	0.8	0.06				mature
361	3604	38	0.84	0.08				mature

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
362	3605	38	0.86	0.09				mature
363	3606	38	0.9	0.11				mature
364	3607	38	0.78	0.05				mature
365	3608	38	0.7	0.04				mature
366	3609	38	0.73	0.05				mature
367	3611	38	1.21	0.07				mature-overmature
368	3612	38	0.82	0.06				mature
369	3614	38	0.63	0.05				mature
370	3615	38	0.76	0.09				mature
371	3616	38	0.83	0.12				mature
372	3617	38	1.06	0.09				mature
373	3618	38	1.23	0.08				mature-overmature
374	3619	38	1.38	0.09				overmature
375	3620	38	0.5	0.04				immature
376	3621	38	0.54	0.04				immature
377	3622	38	0.57	0.05				immature
378	3623	38	0.63	0.03				mature
379	3624	38	0.78	0.07				mature
380	3625	38	0.72	0.06				mature
381	3627	39	1.44					
382	3628	39	1.3					
383	3629	39	0.88					
384	3630	39	0.63					
385	3631	39	1.25					
388	3612	39	0.82					Check

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
389	3632	39	0.76					
390	3633	39	0.79					
391	3634	39	0.77					
392	3635	39	0.78					
393	3636	39	0.8					
394	3637	39	0.88					
395	3638	39	1.74					
396	3639	39	2.58					
397	3640	39	1.8					
398	3641	39	0.94					
399	3642	39	0.89					
400	3643	39	1.69					
401	129	39	0.68					
402	3644	39	0.94					
403	3645	39	1.44					
404	3646	39	1.72					
405	3647	39	0.76					
406	3648	39	1.44					
407	3649	39	2.68					
408	3650	39	1.65					
409	3651	39	1.9					
410	3652	39	1.23					
411	3653	39	0.69					
412	3654	39	0.69					
413	3655	39	0.65					

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
414	3656	39	0.74					
415	3657	39	0.69					
416	3658	39	0.64					
417	3659	39	0.66					
418	3660	39	0.72					
419	3661	39	0.57					
420	3662	39	0.65					
421	3663	39	0.56					
12	20	41	0.66					
13	23	41	0.71					
14	24	41	0.7					
15	25	41	0.67					
16	26	41	0.66					
17	86	41	0.69					
18	28	41	0.71					
19	88	41	0.8					
20	89	41	0.79					
21	30	41	0.81					
22	31	41	0.83					
23	33	41	0.87					
24	93	41	0.89					
31	116	41	0.91		0.4	2.3		
76	218	41	0.57		0.36	2.2		
77	194	41	0.58		0.4	2.3		
78	196	41	0.59		0.44	2.4		

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
79	199	41	0.6					
80	222	41	0.63					
81	205	41	0.61					
82	207	41	0.62					
83	225	41	0.63					
84	213	41	0.62		0.44	2.4		
85	215	41	0.64					
86	217	41	0.64					
92	505	41	0.65					
93	507	41	0.65					
96	510	41	0.67					
98	515	41	0.66		0.4	2.3		
100	542	41	0.66					
102	523	41	0.67		0.4	2.3		
103	545	41	0.77		0.29	2		
104	546	41	0.77		0.29	2		
107	255	41	0.7					
108	256	41	0.71					
109	257	41	0.77					
110	259	41	0.62					
112	258	41	0.59					
113	262	41	0.61					
114	263	41	0.62					
144	363	41	0.67					
146	401	41	0.69					

Dh_Vitrinite_ID	Dh_Sample_Id	Reference_I	Ro	Ro_Std_Dev	Calc_Ro	TAI	Spore_Colour_Index	Vitrinite_Notes
147	365	41	0.7					
148	408	41	0.7					
149	417	41	0.68					
150	436	41	0.72					
167	631	41	0.77		0.29	2		
168	632	41	0.77		0.29	2		
294	506	41	0.65					
295	1828	41	0.65					
296	1829	41	0.66		0.4	2.3		
297	532	41	0.77		0.4	2.3		
298	1830	41	0.57		0.36	2.2		
299	1831	41	0.69		0.44	2.4		
300	214	41	0.91		0.44	2.4		

Formation_ID	Group_Id	Formation_Name
110	10	Honeycomb Point
120	10	Echo Cove
210	20	Tormentine
220	20	Richibucto
230	20	Clifton
240	20	Salisbury
250	20	Sunbury Creek
260	20	Hurley Creek
270	20	Mountain View
280	20	Minto
310	30	Grande Anse
320	30	Tynemouth Creek
330	30	Lancaster
340	30	Boss Point
405	40	Enrage
410	40	Scoodic
415	40	Wanamaker
420	40	Shin
425	40	Carlisle
430	40	Balls Lake
435	40	Newcastle Creek
440	40	Shepody
445	40	Maringouin
450	40	Plaster Rock
455	40	Arthurette
460	40	Kennebecasis
465	40	Beaver Harbour
470	40	Hopewell Cape
475	40	Poodiac
480	40	Cumberland Hill
485	40	Bonaventure
490	40	Queenstown
495	40	Sagwa
499	40	McKinley(abandoned)
500	50	Unnamed
510	50	Clover Hill
520	50	Lime-kiln Brook
530	50	Samp Hill
540	50	Cassidy Lake
550	50	Pugwash Mine
560	50	Upperton
570	50	Parleeville
580	50	Macumber
590	50	Gays River
610	60	Hillsborough
620	60	Weldon

Formation_ID	Group_Id	Formation_Name
630	60	Round Hill
640	60	Gautreau
700	70	Unknown
710	70	Albert
720	70	Memramcook
730	70	Perry
740	70	Cripps Stream

Group_ID	Group_Name
10	Fundy
20	Pictou
30	Cumberland
40	Mabou
50	Windsor
60	Sussex
70	Horton

Member_ID	Formation_Id	Member_Name
342	340	Breau Creek
344	340	Chignecto Bay
346	340	Cole Point
348	340	Ward Point
422	420	Gelder Limestone
452	450	Upper
454	450	Lower
471	470	Undivided
472	470	Dorchester Cape
621	620	Undivided
622	620	Boyd Creek Tuff
632	630	Hazel Hill
712	710	Unnamed Red Bed
714	710	Hiram Brook
716	710	Fredericks Brook
718	710	Dawson Settlement
731	730	Letang Harbour
732	730	St Andrews
733	730	Flea Island
734	730	Brandy Cove
735	730	McCann Island
736	730	Lamb cove
737	730	Blacks Harbour
738	730	Pea Point
739	730	Deadman Harbour

Rx_Fisch	Rx_Sample_I	Referenc	Oil_Gravity	Oil_Wt_%	Volume_Oil_(l/t)
1	58	9	0.8526	2.77	32.539
2	143	12	0.879	10.5	143.1716
3	312	7			
4	394	1			
5	395	7			
6	479	7			
7	481	1			108.3
8	490	1			25.8
9	491	1			132
10	492	1			96.2
11	493	1			263.1
12	494	1			204.1
13	495	1			168.9
14	496	1			130.2
15	497	1			104
16	498	1			274
17	499	1			169.5
18	500	1			22
19	501	1			11
20	502	1			159.1
21	503	1			136.1
22	504	1			64.1
23	505	1			4.3
24	530	7			
25	535	7			
26	463	7			
27	465	7			
28	468	1			
29	469	7			
30	472	7			
31	578	7			

%_Water_Yie	Water_Yie	Bulk_Densit	Shale_Wt_%	Total_Loss_(g/100	%_Gas_L	Gas_Plus_Los
1.9				5	0.3	
3.9	47.0564		83.9		1.7	1.7

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
521	634								
14	144	1		449	0.61	29.57	1		
15	145	1		453	0.21	3	0.23		
16	146	1			0.03		0.15		
17	147	1			0.03		0.1		
18	148	1		455	0.04	0.5	0.28		
19	149	1			0.15	0.41	0.41		
20	150	1			0.12	0.35	0.18		
21	151	1			0.02		0.18		
22	153	1			0.02		0.36		
23	155	1			0.02		0.11		
39	172	1			0.13	0.41	0.4		
40	173	1			0.11	0.4	0.27		
41	174	1		443	0.92	5.01	0.32		
42	175	1		443	1.47	6.11	0.27		
43	176	1			0.14	0.41	0.77		
44	177	1		446	0.28	3.02	0.41		
45	178	1		454	0.06	0.12	0.75		
46	179	1		459	0.3	0.72	0.33		
50	184	1			0.11	0.35	0.46		
51	185	1			0.02		0.38		
52	186	1			0.1	0.37	1.17		
53	187	1			0.09	0.21	0.37		
54	188	1			0.11	0.35	0.63		
55	189	1			0.13	0.35	0.31		
56	190	1			0.03		0.54		
57	191	1			0.01		0.21		
58	195	1			0.01		0.63		
59	196	1			0.03		0.27		
60	197	1			0.03		0.38		
61	198	1			0.04		0.27		
62	202	1			0.03		0.35		
63	203	1			0.11	0.35	0.37		
64	204	1		444	0.61	3.47	0.39		
65	205	1		426	0.05	0.38	0.12		
66	206	1		441	7.39	122.95	4.53		
67	208	1			0.03		0.25		
68	209	1			0.03		0.23		
69	210	1			0.03		0.27		
70	211	1		446	0.83	30.49	0.44		
71	212	1			0.03	0.09	0.19		
72	214	1		446	0.05	0.55	0.59		
73	216	1			0.03		0.14		
74	217	1		446	0.17	0.62	0.25		
75	218	1			0.04		0.14		
76	219	1			0.03		0.23		

HC_Show	HC_Potenti	PI	PC	S2/S3
0.61	30.18	0.02	2.505	29.57
0.21	3.21	0.065	0.266	13.043
0.03	0.03	1	0.002	
0.03	0.03	1	0.002	
0.04	0.54	0.074	0.045	1.786
0.15	0.56	0.268	0.046	1
0.12	0.47	0.255	0.039	1.944
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.13	0.54	0.241	0.045	1.025
0.11	0.51	0.216	0.042	1.481
0.92	5.93	0.155	0.492	15.656
1.47	7.58	0.194	0.629	22.63
0.14	0.55	0.255	0.046	0.532
0.28	3.3	0.085	0.274	7.366
0.06	0.18	0.333	0.015	0.16
0.3	1.02	0.294	0.085	2.182
0.11	0.46	0.239	0.038	0.761
0.02	0.02	1	0.002	
0.1	0.47	0.213	0.039	0.316
0.09	0.3	0.3	0.025	0.568
0.11	0.46	0.239	0.038	0.556
0.13	0.48	0.271	0.04	1.129
0.03	0.03	1	0.002	
0.01	0.01	1	0.001	
0.01	0.01	1	0.001	
0.03	0.03	1	0.002	
0.03	0.03	1	0.002	
0.04	0.04	1	0.003	
0.03	0.03	1	0.002	
0.11	0.46	0.239	0.038	0.946
0.61	4.08	0.15	0.339	8.897
0.05	0.43	0.116	0.036	3.167
7.39	130.34	0.057	10.818	27.141
0.03	0.03	1	0.002	
0.03	0.03	1	0.002	
0.03	0.03	1	0.002	
0.83	31.32	0.027	2.6	69.295
0.03	0.12	0.25	0.01	0.474
0.05	0.6	0.083	0.05	0.932
0.03	0.03	1	0.002	
0.17	0.79	0.215	0.066	2.48
0.04	0.04	1	0.003	
0.03	0.03	1	0.002	

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
77	223	1			0.03		0.15		
78	228	1			0.03	0.05	0.77		
79	229	1		450	2.17	43.25	0.15		
80	230	1		452	2.97	60.28	0.12		
81	231	1		447	0.58	9.67	0.03		
82	232	1		452	2.47	45.61	0.07		
83	236	1		440	2	58.51	3.52		
84	237	1		446	6.86	77.37	1.17		
85	238	1		442	1.38	49.88	1.79		
86	239	1		440	9.16	143.02	9.99		
87	240	1		446	8.67	139.4	7.03		
88	241	1		434	1.3	27.76	1.87		
89	242	1		438	0.04	0.33	0.51		
90	243	1			0.03		0.3		
91	244	1		440	1.77	9.21	0.3		
92	247	1		414	3.19	5.53	0.12		
93	248	1		448	2.18	50.14	0.25		
94	249	1		439	0.49	21.11	1.17		
95	250	1		440	0.1	1.32	0.12		
96	563	1		443	2.86	43.4	0.38		
97	564	1		442	0.88	12.72	0.79		
98	565	1		443	2.11	56.06	0.57		
99	566	1		442	0.1	0.63	0.37		
100	567	1			0.17	0.37	0.16		
101	568	1			0.07	0.04	0.11		
102	569	1			0.09		0.52		
103	570	1		430	1.33	10.72	0.69		
104	571	1			0.06		0.29		
105	572	1		433	0.2	2.55	0.5		
106	573	1		440	0.78	7.98	0.18		
107	574	1		443	2.48	45.58	1.52		
108	575	1		454	0.05	1.39	1.26		
109	576	1		430	2.49	6.28	0.18		
110	577	1		444	1.52	50.52	2.96		
112	579	1		446	8.88	135.87	0.57		
114	581	1		443	2.76	21.24	0.18		
116	583	1		447	7.69	174.79	4.37		
117	584	1		442	5.16	90.12	3.89		
118	585	1		445	4.41	166.62	6.55		
119	586	1		440	3.14	69.23	3.46		
120	587	1		442	2.89	106.25	3.86		
121	588	1		440	1.19	53.62	3.3		
122	589	1		433	1.4	12.39	0.49		
123	590	1		442	1.55	22.25	0.78		
124	591	1		440	2.2	75.89	5.64		
125	592	1		439	0.3	1.78	0.3		

HC_Show	HC_Potenti	PI	PC	S2/S3
0.03	0.03	1	0.002	
0.03	0.08	0.375	0.007	0.065
2.17	45.42	0.048	3.77	288.33
2.97	63.25	0.047	5.25	502.33
0.58	10.25	0.057	0.851	322.33
2.47	48.08	0.051	3.991	651.57
2	60.51	0.033	5.022	16.622
6.86	84.23	0.081	6.991	66.128
1.38	51.26	0.027	4.255	27.866
9.16	152.18	0.06	12.631	14.316
8.67	148.07	0.059	12.29	19.829
1.3	29.06	0.045	2.412	14.845
0.04	0.37	0.108	0.031	0.647
0.03	0.03	1	0.002	
1.77	10.98	0.161	0.911	30.7
3.19	8.72	0.366	0.724	46.083
2.18	52.32	0.042	4.343	200.56
0.49	21.6	0.023	1.793	18.043
0.1	1.42	0.07	0.118	11
2.86	46.26	0.062	3.84	114.21
0.88	13.6	0.065	1.129	16.101
2.11	58.17	0.036	4.828	98.351
0.1	0.73	0.137	0.061	1.703
0.17	0.54	0.315	0.045	2.312
0.07	0.11	0.636	0.009	0.364
0.09	0.09	1	0.007	
1.33	12.05	0.11	1	15.536
0.06	0.06	1	0.005	
0.2	2.75	0.073	0.228	5.1
0.78	8.76	0.089	0.727	44.333
2.48	48.06	0.052	3.989	29.987
0.05	1.44	0.035	0.12	1.103
2.49	8.77	0.284	0.728	34.889
1.52	52.04	0.029	4.319	17.068
8.88	144.75	0.061	12.014	238.37
2.76	24	0.115	1.992	118
7.69	182.48	0.042	15.146	39.998
5.16	95.28	0.054	7.908	23.167
4.41	171.03	0.026	14.195	25.438
3.14	72.37	0.043	6.007	20.009
2.89	109.14	0.026	9.059	27.526
1.19	54.81	0.022	4.549	16.248
1.4	13.79	0.102	1.145	25.286
1.55	23.8	0.065	1.975	28.526
2.2	78.09	0.028	6.481	13.456
0.3	2.08	0.144	0.173	5.933

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
126	593	1		447	3.16	145.05	2.6		
127	594	1		445	4.55	96.53	0.66		
128	595	1		437	6.22	111.1	1.87		
129	596	1		443	2.34	54.39	0.82		
130	597	1		443	4.58	115.96	3.3		
131	598	1		450	5.22	151.28	0.68		
132	599	1		444	2.45	44.82	1.96		
133	600	1		440	3.15	107.65	4.9		
134	601	1		446	0.84	70.81	1.71		
135	602	1		434	0.09	0.64	0.52		
136	603	1		449	3.11	138.9	1.44		
137	604	1		433	0.6	3.69	0.23		
138	605	1		432	0.17	4.35	0.4		
139	606	1		430	0.16	1.2	0.45		
140	607	1		447	4.78	65.55	0.54		
141	608	1		446	0.79	11.87	0.45		
142	609	1		440	0.53	19.7	1.21		
143	610	1		433	2.19	8.89	0.1		
144	611	1		431	1.29	8.71	0.32		
145	612	1		444	0.66	16.26	0.56		
146	613	1		448	1.97	59.92	0.71		
147	614	1		425	1.44	4.21	0.47		
148	615	1		449	2.03	49.73	0.61		
149	616	1		443	2.62	57.87	1.54		
150	617	1		442	2.51	37.03	0.42		
151	618	1		448	4.15	72.92	0.19		
152	619	1		452	3.53	93	0.36		
153	620	1		446	1.79	26.87	0.09		
154	1	1		434	1.28	12.73	0.33		
155	2	1		433	1.93	15.56	0.29		
156	3	1		435	1.92	15.38	0.25		
157	4	1			0.05	0.06	0.2		
158	5	1			0.04		0.1		
159	6	1			0.03		0.15		
160	7	1			0.04		0.18		
161	8	1	0.86	440	0.19	0.64	0.16	74.419	18.605
162	9	1		440	0.22	0.72	0.09		
163	10	1		442	0.2	1.01	0.11		
164	11	1	0.49	439	0.14	0.19	0.09	38.776	18.367
165	12	1		439	0.13	0.22	0.06		
166	13	1		442	0.12	0.61	0.09		
167	14	1	0.72	441	0.16	0.22	0.23	30.556	31.944
168	15	1		440	0.13	0.22	0.26		
169	16	1		443	0.09	0.33	0.21		
170	17	1			0.04		0.17		
171	18	1			0.03		0.37		

HC_Show	HC_Potenti	PI	PC	S2/S3
3.16	148.21	0.021	12.301	55.788
4.55	101.08	0.045	8.39	146.26
6.22	117.32	0.053	9.738	59.412
2.34	56.73	0.041	4.709	66.329
4.58	120.54	0.038	10.005	35.139
5.22	156.5	0.033	12.99	222.47
2.45	47.27	0.052	3.923	22.867
3.15	110.8	0.028	9.196	21.969
0.84	71.65	0.012	5.947	41.409
0.09	0.73	0.123	0.061	1.231
3.11	142.01	0.022	11.787	96.458
0.6	4.29	0.14	0.356	16.043
0.17	4.52	0.038	0.375	10.875
0.16	1.36	0.118	0.113	2.667
4.78	70.33	0.068	5.837	121.39
0.79	12.66	0.062	1.051	26.378
0.53	20.23	0.026	1.679	16.281
2.19	11.08	0.198	0.92	88.9
1.29	10	0.129	0.83	27.219
0.66	16.92	0.039	1.404	29.036
1.97	61.89	0.032	5.137	84.394
1.44	5.65	0.255	0.469	8.957
2.03	51.76	0.039	4.296	81.525
2.62	60.49	0.043	5.021	37.578
2.51	39.54	0.063	3.282	88.167
4.15	77.07	0.054	6.397	383.79
3.53	96.53	0.037	8.012	258.33
1.79	28.66	0.062	2.379	298.56
1.28	14.01	0.091	1.163	38.576
1.93	17.49	0.11	1.452	53.655
1.92	17.3	0.111	1.436	61.52
0.05	0.11	0.455	0.009	0.3
0.04	0.04	1	0.003	
0.03	0.03	1	0.002	
0.04	0.04	1	0.003	
0.19	0.83	0.229	0.069	4
0.22	0.94	0.234	0.078	8
0.2	1.21	0.165	0.1	9.182
0.14	0.33	0.424	0.027	2.111
0.13	0.35	0.371	0.029	3.667
0.12	0.73	0.164	0.061	6.778
0.16	0.38	0.421	0.032	0.957
0.13	0.35	0.371	0.029	0.846
0.09	0.42	0.214	0.035	1.571
0.04	0.04	1	0.003	
0.03	0.03	1	0.002	

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
172	19	1			0.04		0.3		
173	20	1			0.05		0.13		
174	21	1			0.03		0.25		
175	22	1			0.04		0.18		
176	23	1			0.06		0.12		
177	24	1			0.04		0.16		
178	25	1			0.24		0.05		
179	26	1			0.63		0.07		
180	27	1			0.81		0.1		
181	28	1			0.33		0.1		
182	29	1		447	1.12	17.41	0.4		
183	30	1		445	0.93	5.49	0.42		
184	31	1		455	0.16	0.55	0.42		
185	32	1		447	0.14	0.73	0.22		
186	33	1		450	0.22	0.56	0.3		
187	34	1		441	0.9	6.45	0.38		
188	35	1		449	0.22	0.72	0.18		
189	36	1		443	0.28	1.29	0.18		
190	37	1		442	2.06	4.84	0.67		
191	38	1			0.04		0.3		
192	39	1		436	0.85	2.66	0.21		
193	40	1		450	0.65	1.81	0.27		
194	41	1		445	0.17	2.74	0.59		
195	42	1			0.07		0.34		
196	43	1			0.04		0.24		
197	44	1			0.09	0.29	0.64		
198	45	1		446	0.59	9.62	0.27		
199	46	1			0.24		0.14		
200	47	1			0.08		0.14		
203	50	1			0.02		0.29		
204	51	1		339	0.62	1.79	1.36		
205	52	1			0.05		0.22		
206	53	1			0.11	0.3	0.2		
207	54	1		430	0.16	0.67	0.42		
224	251	1			0.03		0.13		
225	252	1			0.02		0.07		
226	253	1			0.02		0.07		
227	254	1			0.02		0.33		
228	255	1			0.02		0.43		
229	256	1			0.02		0.57		
230	257	1					0.48		
231	258	1			0.02		0.23		
232	259	1			0.01		0.25		
233	260	1			0.01		0.16		
234	261	1			0.01		0.19		
235	262	1			0.02		0.14		

HC_Show	HC_Potenti	PI	PC	S2/S3
0.04	0.04	1	0.003	
0.05	0.05	1	0.004	
0.03	0.03	1	0.002	
0.04	0.04	1	0.003	
0.06	0.06	1	0.005	
0.04	0.04	1	0.003	
0.24	0.24	1	0.02	
0.63	0.63	1	0.052	
0.81	0.81	1	0.067	
0.33	0.33	1	0.027	
1.12	18.53	0.06	1.538	43.525
0.93	6.42	0.145	0.533	13.071
0.16	0.71	0.225	0.059	1.31
0.14	0.87	0.161	0.072	3.318
0.22	0.78	0.282	0.065	1.867
0.9	7.35	0.122	0.61	16.974
0.22	0.94	0.234	0.078	4
0.28	1.57	0.178	0.13	7.167
2.06	6.9	0.299	0.573	7.224
0.04	0.04	1	0.003	
0.85	3.51	0.242	0.291	12.667
0.65	2.46	0.264	0.204	6.704
0.17	2.91	0.058	0.242	4.644
0.07	0.07	1	0.006	
0.04	0.04	1	0.003	
0.09	0.38	0.237	0.032	0.453
0.59	10.21	0.058	0.847	35.63
0.24	0.24	1	0.02	
0.08	0.08	1	0.007	
0.02	0.02	1	0.002	
0.62	2.41	0.257	0.2	1.316
0.05	0.05	1	0.004	
0.11	0.41	0.268	0.034	1.5
0.16	0.83	0.193	0.069	1.595
0.03	0.03	1	0.002	
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.01	0.01	1	0.001	
0.01	0.01	1	0.001	
0.01	0.01	1	0.001	
0.02	0.02	1	0.002	

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
236	263	1		441	0.52	29.74	1.07		
237	264	1		443	0.09	0.55	0.52		
238	265	1		440	2.44	53.23	1.96		
239	266	1		440	0.84	4.6	0.68		
240	267	1			0.04		0.22		
241	268	1		437	3.26	103.11	5.48		
242	269	1		444	5.08	93.4	1.53		
243	270	1		437	3.2	67.7	3.59		
244	271	1		446	6.16	72.31	0.4		
245	272	1		445	0.07	0.24	0.31		
246	273	1			0.06		0.36		
247	274	1		441	0.11	0.79	0.28		
248	275	1			0.04		0.53		
249	276	1		451	0.21	2.94	0.23		
250	277	1		448	0.42	1.19	0.2		
251	278	1			0.04	0.13	0.77		
252	279	1			0.03		0.44		
253	280	1			0.03	0.11	0.19		
254	281	1		438	0.04	0.26	0.04		
255	283	1			0.03		0.19		
256	284	1		434	2.37	21.18	0.88		
257	285	1		438	1.47	25.54	1.81		
258	286	1		442	0.81	54.31	1.63		
259	291	1		450	1.74	100.63	1.1		
260	292	1		456	2.26	123.31	1.35		
261	293	1		458	3.08	162.4	1.47		
262	294	1		439	4.05	78.8	3.3		
263	295	1		444	3.79	68.15	0.53		
264	296	1		438	1.84	16.87	0.37		
265	298	1		442	2.27	33.32	0.53		
266	299	1		436	0.35	1.79	0.79		
267	301	1		441	5.26	84.19	1.98		
268	303	1			0.03		0.78		
269	304	1			0.03		0.29		
270	305	1			0.03		0.22		
271	306	1			0.02		0.35		
272	307	1			0.02		0.24		
273	308	1			0.04		0.26		
274	309	1		445	0.05	0.16	0.49		
275	310	1			0.12	0.38	0.33		
276	311	1			0.11	0.35	0.28		
278	313	1		439	0.14	0.45	0.2		
279	314	1		438	0.06	0.23	0.07		
280	315	1			0.12	0.37	0.03		
281	316	1		433	0.89	2.18	0.19		
282	317	1		438	0.58	5.57	0.81		

HC_Show	HC_Potenti	PI	PC	S2/S3
0.52	30.26	0.017	2.512	27.794
0.09	0.64	0.141	0.053	1.058
2.44	55.67	0.044	4.621	27.158
0.84	5.44	0.154	0.452	6.765
0.04	0.04	1	0.003	
3.26	106.37	0.031	8.829	18.816
5.08	98.48	0.052	8.174	61.046
3.2	70.9	0.045	5.885	18.858
6.16	78.47	0.079	6.513	180.78
0.07	0.31	0.226	0.026	0.774
0.06	0.06	1	0.005	
0.11	0.9	0.122	0.075	2.821
0.04	0.04	1	0.003	
0.21	3.15	0.067	0.261	12.783
0.42	1.61	0.261	0.134	5.95
0.04	0.17	0.235	0.014	0.169
0.03	0.03	1	0.002	
0.03	0.14	0.214	0.012	0.579
0.04	0.3	0.133	0.025	6.5
0.03	0.03	1	0.002	
2.37	23.55	0.101	1.955	24.068
1.47	27.01	0.054	2.242	14.11
0.81	55.12	0.015	4.575	33.319
1.74	102.37	0.017	8.497	91.482
2.26	125.57	0.018	10.422	91.341
3.08	165.48	0.019	13.735	110.48
4.05	82.85	0.049	6.877	23.879
3.79	71.94	0.053	5.971	128.59
1.84	18.71	0.098	1.553	45.595
2.27	35.59	0.064	2.954	62.868
0.35	2.14	0.164	0.178	2.266
5.26	89.45	0.059	7.424	42.52
0.03	0.03	1	0.002	
0.03	0.03	1	0.002	
0.03	0.03	1	0.002	
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.04	0.04	1	0.003	
0.05	0.21	0.238	0.017	0.327
0.12	0.5	0.24	0.042	1.152
0.11	0.46	0.239	0.038	1.25
0.14	0.59	0.237	0.049	2.25
0.06	0.29	0.207	0.024	3.286
0.12	0.49	0.245	0.041	12.333
0.89	3.07	0.29	0.255	11.474
0.58	6.15	0.094	0.51	6.877

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
283	318	1			0.05		0.5		
284	319	1		444	1.88	85.34	2.56		
285	320	1		443	2	82.37	2.03		
286	321	1		446	1.39	21.24	0.47		
287	322	1		439	1.36	4.09	0.16		
288	323	1		450	4.6	83.69	0.59		
289	324	1		439	0.74	11.58	0.42		
290	325	1			0.02		0.01		
291	327	1			0.11	0.32	0.05		
292	328	1			0.1	0.3	0.02		
293	329	1			0.01		0.08		
294	331	1			0.1	0.34	0.04		
295	332	1		447	0.03	0.25	0.05		
296	333	1			0.17	0.54	0.05		
297	334	1		448	0.04	0.39	0.06		
298	335	1			0.12	0.35	0.04		
299	336	1			0.14	0.4	0.09		
300	338	1		440	0.14	0.44	0.07		
301	339	1			0.08	0.21			
302	343	1			0.12	0.38	0.03		
303	344	1		436	0.75	3.45	0.07		
304	345	1		435	12.42	158.79	0.97		
305	346	1		432	0.45	3.38	0.04		
306	347	1		434	0.37	3.33	0.06		
307	348	1		439	0.31	3.03	0.04		
308	349	1		443	0.98	31.64	0.16		
345	393	1		4	0.04		0.04		
346	394	1		440	0.06	0.26	0.07		
348	396	1		439	0.19	0.47	0.04		
349	397	1			0.02		0.04		
350	398	1		437	0.19	0.83	0.07		
351	399	1		437	0.13	0.44	0.02		
352	400	1			0.12	0.37	0.1		
353	401	1			0.12	0.35	0.04		
354	402	1		445	0.05	0.05	0.04		
355	403	1		438	0.05	0.1	0.69		
356	404	1		438	0.14	0.5	0.49		
357	405	1			0.09	0.31	0.37		
358	406	1			0.02		0.3		
359	407	1		436	0.06	0.15	0.48		
360	408	1		442	0.03	0.07	0.53		
361	409	1			0.02		0.32		
362	410	1			0.02		0.39		
363	411	1		445	0.48	5.75	0.14		
364	412	1		444	0.38	5.22	0.72		
365	413	1		428	1.21	5.02	0.19		

HC_Show	HC_Potenti	PI	PC	S2/S3
0.05	0.05	1	0.004	
1.88	87.22	0.022	7.239	33.336
2	84.37	0.024	7.003	40.576
1.39	22.63	0.061	1.878	45.191
1.36	5.45	0.25	0.452	25.562
4.6	88.29	0.052	7.328	141.85
0.74	12.32	0.06	1.023	27.571
0.02	0.02	1	0.002	
0.11	0.43	0.256	0.036	6.4
0.1	0.4	0.25	0.033	15
0.01	0.01	1	0.001	
0.1	0.44	0.227	0.037	8.5
0.03	0.28	0.107	0.023	5
0.17	0.71	0.239	0.059	10.8
0.04	0.43	0.093	0.036	6.5
0.12	0.47	0.255	0.039	8.75
0.14	0.54	0.259	0.045	4.444
0.14	0.58	0.241	0.048	6.286
0.08	0.29	0.276	0.024	0.381
0.12	0.5	0.24	0.042	12.667
0.75	4.2	0.179	0.349	49.286
12.42	171.21	0.073	14.21	163.70
0.45	3.83	0.117	0.318	84.5
0.37	3.7	0.1	0.307	55.5
0.31	3.34	0.093	0.277	75.75
0.98	32.62	0.03	2.707	197.75
0.04	0.04	1	0.003	
0.06	0.32	0.188	0.027	3.714
0.19	0.66	0.288	0.055	11.75
0.02	0.02	1	0.002	
0.19	1.02	0.186	0.085	11.857
0.13	0.57	0.228	0.047	22
0.12	0.49	0.245	0.041	3.7
0.12	0.47	0.255	0.039	8.75
0.05	0.1	0.5	0.008	1.25
0.05	0.15	0.333	0.012	0.145
0.14	0.64	0.219	0.053	1.02
0.09	0.4	0.225	0.033	0.838
0.02	0.02	1	0.002	
0.06	0.21	0.286	0.017	0.312
0.03	0.1	0.3	0.008	0.132
0.02	0.02	1	0.002	
0.02	0.02	1	0.002	
0.48	6.23	0.077	0.517	41.071
0.38	5.6	0.068	0.465	7.25
1.21	6.23	0.194	0.517	26.421

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
366	414	1		442	2.14	76.26	1.1		
367	415	1		438	0.05	2	2.25		
368	416	1		446	1.75	70.34	0.53		
369	417	1		440	0.07	0.05	0.55		
370	418	1		442	0.87	11.71	0.67		
371	419	1		442	1.22	13.67	0.53		
372	420	1		445	1.03	8.86	0.21		
373	421	1		441	0.67	15.01	0.91		
374	422	1		440	0.53	17.44	1.43		
375	423	1		442	1.05	18.4	0.72		
376	424	1		443	0.94	9.45	0.37		
377	425	1		442	1.8	9.23	0.25		
378	426	1		447	2.65	48.78	0.42		
379	427	1		440	0.26	2	0.66		
380	428	1		429	0.21	1.41	0.42		
381	429	1		436	2.83	4.96	0.3		
382	430	1		444	1.03	45.16	2.61		
383	431	1		446	0.18	1.27	0.25		
384	432	1		446	3.78	37.9	0.79		
385	433	1		443	1.77	32.38	0.59		
386	434	1		421	2.24	4.62	0.26		
387	435	1		443	1.24	17.32	0.35		
388	436	1		448	2.06	88.57	1.6		
389	437	1		446	0.21	1.08	0.12		
390	438	1		433	0.67	3.57	0.48		
391	439	1		445	0.32	2.95	0.31		
392	440	1		450	2.75	64.61	0.58		
393	441	1		436	0.24	1.51	0.32		
394	442	1		447	2.79	83.06	1.04		
395	443	1		448	2.08	41.39	0.59		
396	444	1		446	0.86	14.76	0.49		
397	445	1		443	0.23	0.98	0.39		
398	446	1		446	2.03	51.91	0.84		
399	447	1		449	1.46	78.99	0.63		
400	448	1		442	0.32	6.7	0.67		
401	449	1		445	0.2	2.38	0.59		
402	450	1		444	0.47	2.91	0.51		
403	451	1		439	0.09	0.09	0.33		
404	452	1		439	1.14	6.47	0.36		
406	454	1		451	0.14	2.08	0.27		
408	456	1		437	0.08	0.16	0.44		
409	457	1		445	0.05	0.28	0.42		
410	458	1		445	0.2	1.51	0.94		
411	459	1			0.05		0.69		
412	460	1			0.14	0.38	0.38		
413	461	1			0.05		0.19		

HC_Show	HC_Potenti	PI	PC	S2/S3
2.14	78.4	0.027	6.507	69.327
0.05	2.05	0.024	0.17	0.889
1.75	72.09	0.024	5.983	132.72
0.07	0.12	0.583	0.01	0.091
0.87	12.58	0.069	1.044	17.478
1.22	14.89	0.082	1.236	25.792
1.03	9.89	0.104	0.821	42.19
0.67	15.68	0.043	1.301	16.495
0.53	17.97	0.029	1.492	12.196
1.05	19.45	0.054	1.614	25.556
0.94	10.39	0.09	0.862	25.541
1.8	11.03	0.163	0.915	36.92
2.65	51.43	0.052	4.269	116.14
0.26	2.26	0.115	0.188	3.03
0.21	1.62	0.13	0.134	3.357
2.83	7.79	0.363	0.647	16.533
1.03	46.19	0.022	3.834	17.303
0.18	1.45	0.124	0.12	5.08
3.78	41.68	0.091	3.459	47.975
1.77	34.15	0.052	2.834	54.881
2.24	6.86	0.327	0.569	17.769
1.24	18.56	0.067	1.54	49.486
2.06	90.63	0.023	7.522	55.356
0.21	1.29	0.163	0.107	9
0.67	4.24	0.158	0.352	7.438
0.32	3.27	0.098	0.271	9.516
2.75	67.36	0.041	5.591	111.4
0.24	1.75	0.137	0.145	4.719
2.79	85.85	0.032	7.126	79.865
2.08	43.47	0.048	3.608	70.153
0.86	15.62	0.055	1.296	30.122
0.23	1.21	0.19	0.1	2.513
2.03	53.94	0.038	4.477	61.798
1.46	80.45	0.018	6.677	125.38
0.32	7.02	0.046	0.583	10
0.2	2.58	0.078	0.214	4.034
0.47	3.38	0.139	0.281	5.706
0.09	0.18	0.5	0.015	0.273
1.14	7.61	0.15	0.632	17.972
0.14	2.22	0.063	0.184	7.704
0.08	0.24	0.333	0.02	0.364
0.05	0.33	0.152	0.027	0.667
0.2	1.71	0.117	0.142	1.606
0.05	0.05	1	0.004	
0.14	0.52	0.269	0.043	1
0.05	0.05	1	0.004	

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
414	462	1			0.14	0.41	0.25		
416	464	1		442	0.64	8.93	0.68		
418	466	1		447	0.15	1.33	1.23		
419	467	1		445	0.09	0.12	0.4		
420	468	1		447	0.16	15.99	0.6		
422	470	1		466	0.07	1.15	0.33		
423	471	1		449	0.2	5.07	0.2		
425	473	1		445	0.18	2.06	0.6		
427	475	1		445	0.32	1.93	0.47		
428	476	1		448	0.37	3.63	0.19		
429	477	1		444	1.33	26.63	0.44		
431	480	1		445	1.52	53.26	0.59		
432	481	1		445	0.99	98.41	4.04		
433	482	1		445	0.17	0.74	0.19		
434	483	1		443	4.06	65.13	0.59		
435	484	1		448	6.78	115.1	1.35		
436	485	1		444	0.55	45.88	1.77		
437	486	1		450	2.56	82.21	1.2		
438	487	1		451	2.88	80.14	0.39		
439	488	1		440	0.12	4.18	1.4		
440	489	1		436	1.46	13.06	0.65		
441	490	1		439	1.36	22.34	0.76		
442	491	1		451	3.72	117.36	0.53		
443	492	1		441	3.32	84.91	3.91		
444	493	1		449	6.42	235	2.33		
445	494	1		451	7.33	179.94	0.69		
446	495	1		445	8.76	146.21	1.72		
447	496	1		449	2.36	117.07	1.31		
448	497	1		441	5.96	89.42	0.7		
449	498	1		448	16.96	234.44	0.97		
450	499	1		444	8.24	147.27	2.53		
451	500	1		440	0.68	19.48	2.88		
452	501	1		439	0.49	9.62	0.87		
453	502	1		449	4.14	141.82	1.05		
454	503	1		447	5.7	119.12	1.1		
455	504	1		444	1.97	56.87	2.22		
456	505	1		441	0.16	3.8	1.02		
457	506	1		442	0.17	0.94	0.4		
458	507	1		443	5.2	97.59	3.46		
459	508	1		446	9.74	185.11	2.97		
460	509	1		443	7.52	106.81	0.77		
461	510	1		439	3.2	64.82	2.28		
462	511	1		443	9.38	138.17	1.09		
463	512	1		443	3.79	35.93	0.35		
464	513	1		445	3.77	84.23	0.96		
465	514	1		444	3.52	74.08	2.21		

HC_Show	HC_Potenti	PI	PC	S2/S3
0.14	0.55	0.255	0.046	1.64
0.64	9.57	0.067	0.794	13.132
0.15	1.48	0.101	0.123	1.081
0.09	0.21	0.429	0.017	0.3
0.16	16.15	0.01	1.34	26.65
0.07	1.22	0.057	0.101	3.485
0.2	5.27	0.038	0.437	25.35
0.18	2.24	0.08	0.186	3.433
0.32	2.25	0.142	0.187	4.106
0.37	4	0.092	0.332	19.105
1.33	27.96	0.048	2.321	60.523
1.52	54.78	0.028	4.547	90.271
0.99	99.4	0.01	8.25	24.359
0.17	0.91	0.187	0.076	3.895
4.06	69.19	0.059	5.743	110.39
6.78	121.88	0.056	10.116	85.259
0.55	46.43	0.012	3.854	25.921
2.56	84.77	0.03	7.036	68.508
2.88	83.02	0.035	6.891	205.49
0.12	4.3	0.028	0.357	2.986
1.46	14.52	0.101	1.205	20.092
1.36	23.7	0.057	1.967	29.395
3.72	121.08	0.031	10.05	221.43
3.32	88.23	0.038	7.323	21.716
6.42	241.42	0.027	20.038	100.86
7.33	187.27	0.039	15.543	260.78
8.76	154.97	0.057	12.863	85.006
2.36	119.43	0.02	9.913	89.366
5.96	95.38	0.062	7.917	127.74
16.96	251.4	0.067	20.866	241.69
8.24	155.51	0.053	12.907	58.209
0.68	20.16	0.034	1.673	6.764
0.49	10.11	0.048	0.839	11.057
4.14	145.96	0.028	12.115	135.07
5.7	124.82	0.046	10.36	108.29
1.97	58.84	0.033	4.884	25.617
0.16	3.96	0.04	0.329	3.725
0.17	1.11	0.153	0.092	2.35
5.2	102.79	0.051	8.532	28.205
9.74	194.85	0.05	16.173	62.327
7.52	114.33	0.066	9.489	138.71
3.2	68.02	0.047	5.646	28.43
9.38	147.55	0.064	12.247	126.76
3.79	39.72	0.095	3.297	102.66
3.77	88	0.043	7.304	87.74
3.52	77.6	0.045	6.441	33.52

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
466	515	1		441	0.07	0.3	0.56		
467	516	1		448	2.6	143.42	1.05		
468	517	1		450	3.65	157.49	0.73		
469	518	1		447	12.24	187.98	0.43		
470	519	1		441	13.23	199.74	3.64		
471	520	1		439	2.63	29.78	0.71		
472	521	1		444	9.16	201.11	3.09		
473	522	1		441	11.95	147.23	4.16		
474	523	1		434	1.25	9.42	0.55		
475	524	1		444	0.91	5.28	0.29		
476	525	1		441	0.9	19.95	1.14		
477	526	1		446	1.11	66.05	2.13		
478	527	1		434	0.04	0.04	0.12		
479	528	1		430	0.33	2.79	0.23		
480	529	1		447	0.1	0.42	0.25		
482	531	1		454	0.37	0.46	0.3		
484	533	1		456	0.36	1.71	0.34		
487	536	1		449	0.14	0.2	0.28		
489	538	1		434	0.21	0.99	0.49		
490	539	1			0.05		0.46		
491	540	1		449	5.79	104.18	0.36		
492	541	1		446	4.54	79.71	0.8		
493	542	1		443	0.24	2.8	0.6		
494	543	1		446	0.26	4.5	0.26		
495	544	1		441	1.44	20.36	0.78		
496	545	1		429	0.76	5.06	0.32		
497	546	1		449	0.8	27.95	0.3		
498	547	1		431	0.8	7.04	1.95		
499	548	1		439	3.62	12.57	0.08		
500	549	1		438	1.8	8.78	0.34		
501	550	1		444	1.15	17.58	0.33		
502	551	1		434	0.3	1.89	0.35		
503	552	1		401	2.37	4.89	0.23		
504	553	1		450	2.29	5.26	0.67		
505	554	1		441	0.68	3.59	0.44		
506	555	1			0.14	0.28	0.16		
507	556	1		440	0.06	0.22	0.17		
509	558	1			0.16	0.28	0.15		
510	559	1		427	0.18	0.46	0.25		
511	560	1			0.17	0.34	0.37		
512	561	1		448	3.33	130.96	1.34		
513	562	1		448	1.28	52.22	0.45		
405	453	2	22.96	444	8.18	115.82	1.36	504.443	5.923
1	72	5	0.72	433	0.2	4.28	0.28	594.444	38.889
2	73	5	0.07				0.16		228.57
3	74	5	0.07				0.11		157.14

HC_Show	HC_Potenti	PI	PC	S2/S3
0.07	0.37	0.189	0.031	0.536
2.6	146.02	0.018	12.12	136.59
3.65	161.14	0.023	13.375	215.74
12.24	200.22	0.061	16.618	437.16
13.23	212.97	0.062	17.677	54.874
2.63	32.41	0.081	2.69	41.944
9.16	210.27	0.044	17.452	65.084
11.95	159.18	0.075	13.212	35.392
1.25	10.67	0.117	0.886	17.127
0.91	6.19	0.147	0.514	18.207
0.9	20.85	0.043	1.731	17.5
1.11	67.16	0.017	5.574	31.009
0.04	0.08	0.5	0.007	0.333
0.33	3.12	0.106	0.259	12.13
0.1	0.52	0.192	0.043	1.68
0.37	0.83	0.446	0.069	1.533
0.36	2.07	0.174	0.172	5.029
0.14	0.34	0.412	0.028	0.714
0.21	1.2	0.175	0.1	2.02
0.05	0.05	1	0.004	
5.79	109.97	0.053	9.128	289.39
4.54	84.25	0.054	6.993	99.637
0.24	3.04	0.079	0.252	4.667
0.26	4.76	0.055	0.395	17.308
1.44	21.8	0.066	1.809	26.103
0.76	5.82	0.131	0.483	15.812
0.8	28.75	0.028	2.386	93.167
0.8	7.84	0.102	0.651	3.61
3.62	16.19	0.224	1.344	157.13
1.8	10.58	0.17	0.878	25.824
1.15	18.73	0.061	1.555	53.273
0.3	2.19	0.137	0.182	5.4
2.37	7.26	0.326	0.603	21.261
2.29	7.55	0.303	0.627	7.851
0.68	4.27	0.159	0.354	8.159
0.14	0.42	0.333	0.035	1.75
0.06	0.28	0.214	0.023	1.294
0.16	0.44	0.364	0.037	1.867
0.18	0.64	0.281	0.053	1.84
0.17	0.51	0.333	0.042	0.919
3.33	134.29	0.025	11.146	97.731
1.28	53.5	0.024	4.44	116.04
8.18	124	0.066	10.292	85.162
0.2	4.48	0.045	0.372	15.286

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
4	76	5	9.36	439	0.25	57.58	1.33	615.171	14.209
5	77	5	9.15	437	0.24	55.48	1.33	606.339	14.536
6	79	5	5.99	475		0.07	0.43	1.169	7.179
7	80	5	6.03	476		0.04	0.45	0.663	7.463
8	81	5	0.11				0.08		72.727
9	82	5	0.11				0.05		45.455
219	67	5	0.04				0.04		100
220	68	5	0.04				0.03		75
221	69	5	0.44	440	0.01	0.7	0.02	159.091	4.545
222	70	5	0.44	440	0.01	0.67	0.02	152.273	4.545
223	71	5	0.71	435	0.18	4.01	0.3	564.789	42.254
24	156	6	0.9	448	0.65	1.81	0.28	201.111	31.111
25	157	6	0.68	437	0.42	1.41	0.68	207.353	100
26	158	6	1.13	429	2.78	6.03	0.38	533.628	33.628
27	159	6	7.4	447	1.47	47.92	0.58	647.568	7.838
28	160	6	1.6	443	0.12	5.82	0.23	363.75	14.375
29	161	6	0.45	447	0.01	0.02	0.27	4.444	60
30	162	6	1.54	444	0.15	3.75	0.47	243.506	30.519
31	163	6	1.52	450	0.05	4.1	0.47	269.737	30.921
32	164	6	1.09	451	0.15	1.83	0.06	167.89	5.505
33	165	6	1.96	444	0.4	11.02	0.18	562.245	9.184
34	166	6	0.87	448	0.22	1.17	0.54	134.483	62.069
35	167	6	9.74	449	3	42.26	0.53	433.881	5.441
36	168	6	1.52	443	0.07	1.74	1.3	114.474	85.526
37	169	6	1.99	445	0.28	7.27	0.13	365.327	6.533
38	170	6	1.74	443	0.96	4.32	0.48	248.276	27.586
47	180	6	1.08	434	0.31	2.44	0.34	225.926	31.481
48	181	6	2.01	448	0.22	2.39	0.46	118.905	22.886
49	182	6	1.53	449	0.17	2.4	0.56	156.863	36.601
309	350	6	1.27	440	0.49	4.08	0.5	321.26	39.37
310	351	6	1.55	429	0.58	7.55	0.47	487.097	30.323
311	352	6	1.33	429	0.7	5.72	0.64	430.075	48.12
312	353	6	0.99	447	0.11	2.36	0.15	238.384	15.152
313	354	6	3.13	446	1.34	14.2	0.26	453.674	8.307
314	355	6	2.72	444	0.46	12	0.19	441.176	6.985
315	356	6	0.54	430	0.24	1.48	0.35	274.074	64.815
316	357	6	0.86	431	0.37	3.24	0.31	376.744	36.047
317	358	6	0.71	432	0.34	2.08	0.37	292.958	52.113
318	359	6	1.01	437	0.53	3.56	0.42	352.475	41.584
319	360	6	2.16	441	0.41	5.9	0.54	273.148	25
320	361	6	1.63	444	0.4	5.64	0.35	346.012	21.472
321	362	6	6.23	445	1.03	42.84	0.31	687.64	4.976
322	363	6	2.19	442	0.33	6.81	0.46	310.959	21.005
323	364	6	7.37	448	1.81	52.55	0.73	713.026	9.905
324	365	6	0.94	417	2.14	3.35	0.31	356.383	32.979
325	366	6	0.54	431	0.95	0.61	0.28	112.963	51.852

HC_Show	HC_Potenti	PI	PC	S2/S3
0.25	57.83	0.004	4.8	43.293
0.24	55.72	0.004	4.625	41.714
	0.07		0.006	0.163
	0.04		0.003	0.089
0.01	0.71	0.014	0.059	35
0.01	0.68	0.015	0.056	33.5
0.18	4.19	0.043	0.348	13.367
0.65	2.46	0.264	0.204	6.464
0.42	1.83	0.23	0.152	2.074
2.78	8.81	0.316	0.731	15.868
1.47	49.39	0.03	4.099	82.621
0.12	5.94	0.02	0.493	25.304
0.01	0.03	0.333	0.002	0.074
0.15	3.9	0.038	0.324	7.979
0.05	4.15	0.012	0.344	8.723
0.15	1.98	0.076	0.164	30.5
0.4	11.42	0.035	0.948	61.222
0.22	1.39	0.158	0.115	2.167
3	45.26	0.066	3.757	79.736
0.07	1.81	0.039	0.15	1.338
0.28	7.55	0.037	0.627	55.923
0.96	5.28	0.182	0.438	9
0.31	2.75	0.113	0.228	7.176
0.22	2.61	0.084	0.217	5.196
0.17	2.57	0.066	0.213	4.286
0.49	4.57	0.107	0.379	8.16
0.58	8.13	0.071	0.675	16.064
0.7	6.42	0.109	0.533	8.938
0.11	2.47	0.045	0.205	15.733
1.34	15.54	0.086	1.29	54.615
0.46	12.46	0.037	1.034	63.158
0.24	1.72	0.14	0.143	4.229
0.37	3.61	0.102	0.3	10.452
0.34	2.42	0.14	0.201	5.622
0.53	4.09	0.13	0.339	8.476
0.41	6.31	0.065	0.524	10.926
0.4	6.04	0.066	0.501	16.114
1.03	43.87	0.023	3.641	138.19
0.33	7.14	0.046	0.593	14.804
1.81	54.36	0.033	4.512	71.986
2.14	5.49	0.39	0.456	10.806
0.95	1.56	0.609	0.129	2.179

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
326	367	6	0.65	436	0.44	0.88	0.41	135.385	63.077
327	368	6	1.38	430	2.65	7.06	0.37	511.594	26.812
328	369	6	0.17	433	0.02		0.29		170.59
329	370	6	1.16	440	0.45	3.23	0.28	278.448	24.138
330	371	6	1.43	427	1.5	7.89	0.52	551.748	36.364
331	372	6	3.69	444	2.36	25.47	0.44	690.244	11.924
332	373	6	0.86	383	4.01	2.32	0.77	269.767	89.535
333	374	6	2.72	437	0.3	7.34	0.96	269.853	35.294
334	375	6	5.13	445	1.29	34.64	0.33	675.244	6.433
335	376	6	8.92	445	1.47	46.32	0.88	519.283	9.865
336	377	6	2.02	436	2.23	9.88	0.88	489.109	43.564
337	378	6	0.51	423	0.45	1.61	0.36	315.686	70.588
338	379	6	0.82	430	0.86	3.69	0.34	450	41.463
339	380	6	0.52	447	0.38	1.08	0.17	207.692	32.692
340	381	6	0.12	434	0.02	0.03	0.29	25	241.67
341	382	6	4.57	445	1.18	25.08	0.7	548.796	15.317
342	383	6	0.12	447	0.03	0.02	0.17	16.667	141.67
343	384	6	0.94	427	1.79	3.31	0.24	352.128	25.532
344	385	6	0.12	395	0.02	0.07	0.11	58.333	91.667
407	455	6	1.12	443	0.2	2.11	0.29	188.393	25.893
508	557	6	1.51	441	1.78	7.73	0.29	511.921	19.205
111	578	7	20.35	458	23.56	291.86	0.53	1434.201	2.604
113	580	7	10.5	455	9.66	143.82	0.67	1369.714	6.381
115	582	7	8.13	452	6.18		0.49		6.027
210	57	7	82.86	402	42.26	60.84	0.84	73.425	1.014
277	312	7	2.53	444	4.56	20.82	0.35	822.925	13.834
347	395	7	1.12	397	0.02	0.28	0.08	25	7.143
415	463	7	3.76	451	2.51	44.08	0.32	1172.34	8.511
417	465	7	1.1	456	0.12	1.91	0.14	173.636	12.727
421	469	7	3.17	454	0.09	28.36	0.15	894.637	4.732
424	472	7	0.75	453	0.23	1.36	0.18	181.333	24
426	474	7	0.6	452	0.41	1.16	0.17	193.333	28.333
481	530	7	1.39	470	0.26	0.91	0.43	65.468	30.935
483	532	7	0.88	461	0.44	0.64	0.19	72.727	21.591
485	534	7	1.36	461	0.39	1.59	0.2	116.912	14.706
486	535	7	0.83	462	0.11	0.54	0.2	65.06	24.096
488	537	7	0.49	477		0.02	0.04	4.082	8.163
211	58	9							
13	143	12							
212	60	20	0.46	491	0.09	0.39	0.04	84.783	8.696
213	61	20	0.15	440	0.02	0.044	0.026	29.333	17.333
214	62	20	0.11	380	0.06	0.05	0.08	45.455	72.727
215	63	20	1.19	539	0.06	0.27	0.05	22.689	4.202
216	64	20	0.04	479	0.06	0.11	0.03	275	75
217	65	20	0.03	486	0.02	0.111	0.02	370	66.667
218	66	20	0.08	538	0.04	0.12	0.03	150	37.5

HC_Show	HC_Potenti	PI	PC	S2/S3
0.44	1.32	0.333	0.11	2.146
2.65	9.71	0.273	0.806	19.081
0.02	0.02	1	0.002	
0.45	3.68	0.122	0.305	11.536
1.5	9.39	0.16	0.779	15.173
2.36	27.83	0.085	2.31	57.886
4.01	6.33	0.633	0.525	3.013
0.3	7.64	0.039	0.634	7.646
1.29	35.93	0.036	2.982	104.97
1.47	47.79	0.031	3.967	52.636
2.23	12.11	0.184	1.005	11.227
0.45	2.06	0.218	0.171	4.472
0.86	4.55	0.189	0.378	10.853
0.38	1.46	0.26	0.121	6.353
0.02	0.05	0.4	0.004	0.103
1.18	26.26	0.045	2.18	35.829
0.03	0.05	0.6	0.004	0.118
1.79	5.1	0.351	0.423	13.792
0.02	0.09	0.222	0.007	0.636
0.2	2.31	0.087	0.192	7.276
1.78	9.51	0.187	0.789	26.655
23.56	315.42	0.075	26.18	550.68
9.66	153.48	0.063	12.739	214.66
6.18	6.18	1	0.513	
42.26	103.1	0.41	8.557	72.429
4.56	25.38	0.18	2.107	59.486
0.02	0.3	0.067	0.025	3.5
2.51	46.59	0.054	3.867	137.75
0.12	2.03	0.059	0.168	13.643
0.09	28.45	0.003	2.361	189.07
0.23	1.59	0.145	0.132	7.556
0.41	1.57	0.261	0.13	6.824
0.26	1.17	0.222	0.097	2.116
0.44	1.08	0.407	0.09	3.368
0.39	1.98	0.197	0.164	7.95
0.11	0.65	0.169	0.054	2.7
	0.02		0.002	0.5
0.09	0.48	0.188	0.04	9.75
0.02	0.064	0.312	0.005	1.692
0.06	0.11	0.545	0.009	0.625
0.06	0.33	0.182	0.027	5.4
0.06	0.17	0.353	0.014	3.667
0.02	0.131	0.153	0.011	5.55
0.04	0.16	0.25	0.013	4

Rx_RockE	Rx_Sample_Id	Reference	Org_Car	T_Max	S_1	S_2	S_3	Hyd_Index	Ox_Inde
10	125	28	1.81	451	0.18	2.62	0.26	144.751	14.365
11	126	28	0.45	455	0.01	0.09	0.51	20	113.33
12	127	28	0.59	447	0.17	0.23	1.03	38.983	174.58
515	630	36	0.84	496	0.03	0.29	0.22	35	26
516	631	36	0.88	439	0.34	1.17	0.21	133	24
517	632	36	0.66	490	0.12	0.48	0.2	72	30
518	633	36	3.9	432	1.04	24.21	1.17	621	30
519	362	38	5.98	444	0.94	42.29	0.39	707	7
520	363	38	2.22	444	0.3	6.03	0.34	271	15

HC_Show	HC_Potenti	PI	PC	S2/S3
0.18	2.8	0.064	0.232	10.077
0.01	0.1	0.1	0.008	0.176
0.17	0.4	0.425	0.033	0.223
0.03	0.32	0.094	0.027	1.318
0.34	1.51	0.225	0.125	5.571
0.12	0.6	0.2	0.05	2.4
1.04	25.25	0.041	2.096	20.692
0.94	43.23	0.022	3.588	108.44
0.3	6.33	0.047	0.525	17.735

Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
1	14	1A	1A	1	Y
2	14	1B	1B	1	Y
3	14	1C	1C	1	Y
4	16	3A	3A	1	Y
5	16	3B	3B	1	Y
6	16	3C	3C	1	Y
7	16	3D	3D	1	Y
8	17	4A-1	4A-1	1	Y
9	17	4A-2	4A-2	1	Y
10	17	4A-3	4A-3	1	Y
11	17	4A-4	4A-4	1	Y
12	17	4A-5	4A-5	1	Y
13	17	4B	4B	1	Y
14	17	4C-1	4C-1	1	Y
15	17	4C-2	4C-2	1	Y
16	17	4C-3	4C-3	1	Y
17	18	5A	5A	1	Y
18	18	5B-1	5B-1	1	Y
19	18	5B-2	5B-2	1	Y
20	18	5C	5C	1	Y
21	18	5D-1	5D-1	1	Y
22	18	5D-2	5D-2	1	Y
23	19	6A	6A	1	Y
24	19	6B	6B	1	Y
25	19	6C-2	6C-2	1	Y
26	19	6C-1	6C-1	1	Y
27	19	6D-1	6D-1	1	Y
28	19	6D-2	6D-2	1	Y
29	20	77MAO - 16A	77MAO - 16A	1	Y
30	21	77MAO - 17A	77MAO - 17A	1	Y
31	22	77MAO - 19B	77MAO - 19B	1	Y
32	23	77MAO - 20C	77MAO - 20C	1	Y
33	24	77MAO - 36B	77MAO - 36B	1	Y
34	25	77MAO - 41B2	77MAO - 41B2	1	Y
35	26	77MAO - 43B	77MAO - 43B	1	Y
36	27	77MAO - 44A	77MAO - 44A	1	Y
37	28	77MAO - 46A	77MAO - 46A	1	Y
38	29	77MAO - 51A2	77MAO - 51A2	1	Y
39	30	77MAO - 52C	77MAO - 52C	1	Y
40	31	77MAO - 55A1	77MAO - 55A1	1	Y
41	32	77MAO - 57A	77MAO - 57A	1	Y
42	33	77MAO - 59B2	77MAO - 59B2	1	Y

Group	Formation	Member
Sussex	Hillsborough	
Sussex	Hillsborough	
Sussex	Hillsborough	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
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Sussex	Weldon	
Sussex	Weldon	
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Sussex	Weldon	
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Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Horton	Albert	
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Horton	Albert	
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Horton	Albert	
Horton	Albert	
Horton	Albert	
Sussex	Round Hill	

Sample_Description
Mainly solid bitumen
Mainly bitumen
30% Vitrinite
60% Vitrinite
30% Vitrinite
60% Vitrinite
60% Vitrinite
20% Vitrinite
40% Vitrinite
30% Vitrinite
80% Alginite

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
43	34	77MAO - 62A	77MAO - 62A	1	Y
44	35	77MAO - 66B	77MAO - 66B	1	Y
45	36	77MAO - 67A	77MAO - 67A	1	Y
46	37	7A-1	7A-1	1	Y
47	37	7A-2	7A-2	1	Y
50	40	80MAO - 039A	80MAO - 39A1	1	Y
51	41	80MAO - 039B	80MAO - 39B1	1	Y
52	42	80MAO - 102A	80MAO - 102A3	1	Y
53	42	80MAO - 102B	80MAO - 102B	1	Y
54	43	80MAO - 108A	80MAO - 108A	1	Y
57	45	Albertite	C.S.P.- 1	7	Y
58	46	Boudreau Villa	Boudreau Village	9	Y
59	47	C-401232	C-401232	24	Y
60	48	CS01-010	CS01-10	20	Y
61	48	CS01-010A	CS01-10A	20	Y
62	49	CS01-027	CS01-27	20	N
63	50	CS01-078	CS01-78	20	Y
64	51	CS01-249A	CS01-249A	20	Y
65	51	CS01-249B	CS01-249B	20	Y
66	52	CS01-250D	CS01-250D	20	Y
67	53	CS92-001A	CS92-1A	5	Y
68	53	CS92-001B	CS92-1B	5	Y
69	54	CS92-002A	CS92-2A	5	Y
70	54	CS92-002B	CS92-2B	5	Y
71	55	CS92-006A	CS92-6A	5	Y
72	55	CS92-006B	CS92-6B	5	Y
73	56	CS92-009A	CS92-9A	5	Y
74	56	CS92-009B	CS92-9B	5	Y
75	57	CS92-014	CS92-14	23	Y
76	58	CS92-037A	CS92-37A	5	Y
77	58	CS92-037B	CS92-37B	5	Y
79	60	CS92-053A	CS92-53A	5	Y
80	60	CS92-053B	CS92-53B	5	Y
81	61	CS92-126A	CS92-126A	5	Y
82	61	CS92-126B	CS92-126B	5	Y
83	63	H-D-04	NB 25	15	Y
84	64	H-D-05	NB 28	15	Y
85	65	H-D-06	NB 24	15	Y
86	66	H-D-07	NB 30	14	Y
87	67	H-D-08	NB 23	15	Y
88	68	H-D-09	NB 32	14	Y
89	69	H-D-10	NB 49	14	Y

Group	Formation	Member
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Windsor	Macumber	
Windsor	Macumber	
Windsor	Macumber	
Windsor	Macumber	
Windsor	Gays River	
Horton	Albert	
Horton	Albert	
Pictou	Salisbury	
Sussex		
Sussex		
Windsor	Unnamed	
Pictou	Minto	
Windsor	Unnamed	
Windsor	Unnamed	
Windsor	Unnamed	
Windsor	Samp Hill	
Windsor	Samp Hill	
Windsor	Samp Hill	
Windsor	Samp Hill	
Windsor	Lime-kiln Brook	
Windsor	Lime-kiln Brook	
Windsor	Gays River	
Windsor	Gays River	
Cumberland	Boss Point	
Horton	Albert	
Horton	Albert	
Cumberland	Boss Point	
Cumberland	Boss Point	
Horton	Albert	
Horton	Albert	
Pictou	Clifton	
Pictou	Clifton	
Pictou	Clifton	
Pictou	Clifton	
Pictou	Clifton	
Pictou	Clifton	
Pictou	Clifton	

Sample_Description
Black vitreous albertite.
Buff-weathering fine grained sandstone with laminae containing abundant black plant frag
Dark grey siltstone
Olive siltstone
Grey silty shale
Dark grey mudstone
Dark olive grey mudstone
Dark grey limestone
Dark grey friable conglomerate

General_Note	Palynology
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NB 25	☐
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Prospect	☐
Float	☐
Trench	☐
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
90	70	H-D-12	NB 36	14	Y
91	71	H-D-13	NB 55	14	Y
92	72	H-D-14	NB 21	14	Y
93	73	H-D-15	NB 2	14	Y
94	74	H-D-16	NB 33	14	Y
95	75	H-D-17	NB 1	14	Y
96	76	H-D-18	NB 44	14	Y
97	77	H-D-19	NB 43	14	Y
98	78	H-D-20	NB 35	14	Y
99	79	H-D-21	NB 34	14	Y
100	80	H-D-22	MN 10	14	Y
101	81	H-D-23	MN 7	14	Y
102	82	H-D-24	NB 53	14	Y
103	83	H-D-25	NB 54	14	Y
104	84	H-D-26	135	15	Y
105	85	H-D-28	NB 51	14	Y
106	86	H-D-29	NB 52	14	Y
107	87	H-D-30	Ham 5	15	Y
108	88	H-D-31	NB 42	14	Y
109	89	H-D-32	NB 16	14	Y
110	90	H-D-35	NB 17	14	Y
111	91	H-D-38	NB 18	14	Y
112	92	H-D-39	NB 19	14	Y
113	93	H-D-40	NB 50	14	Y
114	94	H-D-41	NB 20	14	Y
115	95	H-D-43	975	14	Y
116	96	H-D-44	NB 40	14	Y
117	97	H-D-44A	519	14	Y
118	98	H-D-45	NB 56	15	N
119	99	H-D-46	FB 01	15	N
120	100	H-D-47	FB 12	15	Y
121	101	H-D-48	FB 03	15	Y
122	102	H-D-48B	FB 04	15	Y
123	103	H-D-49	FB 06	15	Y
124	104	H-D-50	FB 11	15	N
125	105	Indian Mtn 1 -	Indian Mtn 1 - 1	28	N
126	106	Indian Mtn 1 -	Indian Mtn 1 - 2	28	N
127	107	Indian Mtn 1 -	Indian Mtn 1 - 3	28	N
130	110	L390-44	U20-509	26	Y
131	111	L390-45	U20-511	26	Y
132	112	L390-46	U20-519	26	Y
141	121	L390-55	85-SW-058	26	N

Group	Formation	Member
Pictou	Minto	
Pictou	Minto	
Pictou	Richibucto	
Pictou	Richibucto	
Pictou	Richibucto	
Pictou	Richibucto	
Pictou	Richibucto	
Pictou	Minto	
Pictou	Minto	
Pictou	Minto	
Pictou	Richibucto	
Pictou	Minto	
Pictou	Minto	
Pictou	Minto	
Pictou	Minto	
Pictou	Minto	
Pictou	Minto	
Pictou	Minto	
Pictou	Minto	
Pictou	Minto	
Cumberland	Boss Point	
Pictou	Richibucto	
Pictou	Richibucto	
Pictou	Richibucto	
Pictou	Richibucto	
Cumberland	Boss Point	
Cumberland	Boss Point	
Mabou	Shepody	
Cumberland	Boss Point	
Fundy	Echo Cove	
Cumberland	Tynemouth Creek	
Cumberland	Tynemouth Creek	
Cumberland	Tynemouth Creek	
Cumberland	Tynemouth Creek	
Cumberland	Lancaster	
Horton	Albert	
Horton	Albert	
Horton	Albert	

Sample_Description
Fundy Group, Triassic
Parallel and parallel micro laminates of clayey silt and sand, silt grey - silt is brown grey, si
Massive very subtle, very thin silt laminate, dark grey brown, clayey silt, noncalcareous, m
Parallel laminate with very thin kerogen laminii, medium grey and dark grey, clayey silt, sli

General_Note	Palynology
Prospect	☐
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Float	☐
Strip Mine	☐
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Strip Mine	☐
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Strip Mine	☐
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Float	☐
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Float	☐
Vitrain Lens	☐
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Vitrain lens	☐
Prospect	☐
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Omit	☐

Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
143	123	NP-1	NB-1	12	Y
144	124	L390-42	P26-8A - L390-42	1	Y
145	125	P26-010	P26-10	1	Y
146	126	P26-023	P26-23	1	Y
147	127	P26-501A	P26-501A	1	Y
148	127	P26-501B	P26-501B	1	Y
149	129	Q24-003	Q24-3	1	Y
150	130	Q24-004	Q24-4	1	Y
151	131	Q24-014	Q24-14	1	Y
153	133	Q24-501	Q24-501	1	Y
155	135	Q24-504	Q24-504	1	Y
156	136	Q25-84-053	Q25-84-53	6	Y
157	137	Q25-84-070A	Q25-84-70A	6	Y
158	138	Q25-84-080	Q25-84-80	6	Y
159	138	Q25-84-080E	Q25-84-80E	6	Y
160	139	Q25-84-102E	Q25-84-102E	6	Y
161	140	Q25-84-116F	Q25-84-116F	6	Y
162	141	Q25-84-121	Q25-84-121	6	Y
163	142	Q25-84-127D	Q25-84-127D	6	Y
164	143	Q25-84-130	Q25-84-130	6	Y
165	144	Q25-84-143	Q25-84-143	6	Y
166	145	Q25-84-148	Q25-84-148	6	Y
167	146	Q25-84-150	Q25-84-150	6	Y
168	147	Q25-84-169A	Q25-84-169A	6	Y
169	147	Q25-84-169D	Q25-84-169D	6	Y
170	148	Q25-84-174	Q25-84-174	6	Y
172	150	Q26-009	Q26-9	1	Y
173	151	Q26-010	Q26-10	1	Y
174	152	Q26-515A	Q26-515A	1	Y
175	1	Q26-516	Q26-516	1	Y
176	525	Q26-535	Q26-535	1	Y
177	2	Q26-536A	Q26-536A	1	Y
178	2	Q26-536B	Q26-536B	1	Y
179	4	Q26-537	Q26-537	1	Y
180	5	Q26-84-017	Q26-84-17	6	Y
181	6	Q26-84-021A	Q26-84-21A	6	Y
182	7	Q26-84-026	Q26-84-26	6	Y
184	9	R22-511	R22-511	1	Y
185	10	R22-512	R22-512	1	Y
186	10	R22-512A	R22-512A	1	Y
187	11	R22-514	R22-514	1	Y
188	11	R22-514A	R22-514A	1	Y

Group	Formation	Member
Horton	Albert	
Horton	Albert	
Horton	Albert	
Mabou	Hopewell Cape	
Horton	Unknown	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Windsor	Parleeville	
Horton	Albert	
Windsor	Parleeville	
Horton	Albert	
Horton	Albert	
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Horton	Albert	

Sample_Description
Black, vitreous, silty coal or torbanite
Grey black, slightly calcareous, micromicaceous, organic mudstone
Light grey weathering, fine grained limestone
Vitrinite/Inertinite; Medium dark grey, noncalcareous, micromicaceous, slity shale
Dark grey, calcareousmicaceous, kerogenous or bituminous siltstone
Grey, fine-grained, fractured, organic(?) silty limestone
Buff weathering, medium grey, medium grained limestone with sub spherical nodules cor
Dark grey, highly calcareous siltstone or silty limestone
Light olive green, medium grained, micaceous, feldspathic arenite
Maroon-grey, algal (?) laminated limestone
Medium grey, medium grained, micaceous, plant-bearing, feldspathic arenite.
Medium grey, current ripple laminated siltstone with dark grey laminations of mudstone
20% Alginite; Dark grey, subfissle, micro-micaceous, slightly calcareous, slightly indurated
Dark grey, subfissle, micro-micaceous, slightly calcareous, slightly kerogenous, slightly in
Light grey, medium grained, micaceous, feldspathic arenite
Dark grey, slightly calcareous, slightly kerogenous, moderately indurated, micro-micaceou
Dark grey, slightly calcareous, very slightly kerogenous, micaceous, very fine grained san
Vitrinite/Inertinite; Dark grey, noncalcareous, micro-micaceous mudstone.
Olive green, noncalcareous, very fine grained sandy siltstone.
Medium greenish grey, coarse grained poorly sorted, lithic arenite
Light grey, fine grained, feldspathic sandstone with laminations fo dark grey shale
Brown weathering, light grey, poorly sorted, polymictic pebble conglomerate.
Light olive green, fine grained, current and parallel laminated feldspathic arenite.

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
189	12	R23-025	R23-25	1	Y
190	13	R23-030	R23-30	1	Y
191	153	R23-031	R23-31	1	Y
195	156	R23-510	R23-510	1	Y
196	157	R23-512	R23-512	1	Y
197	157	R23-512A	R23-512A	1	Y
198	158	R23-539	R23-539	1	Y
202	162	R24-03	R24-3	1	Y
203	162	R24-03A	R24-3A	1	Y
204	163	R24-04	R24-4	1	Y
205	164	RL-83-03	RL-83-3	1	Y
206	165	RL-83-07	RL-83-7	1	Y
208	167	RL-83-09B	RL-83-9B	1	Y
209	167	RL-83-09C	RL-83-9C	1	Y
210	167	RL-83-09E	RL-83-9E	1	Y
211	168	RL-83-10A	RL-83-10A	1	Y
212	168	RL-83-10B	RL-83-10B	1	Y
214	169	RL-83-12A	RL-83-12A	1	Y
216	169	RL-83-12C	RL-83-12C	1	Y
217	170	RL-83-13A	RL-83-13A	1	Y
218	170	RL-83-13E	RL-83-13E	1	Y
219	170	RL-83-13F	RL-83-13F	1	Y
223	172	RL-83-16C	RL-83-16C	1	Y
227	174	RL-83-18B	RL-83-18B	1	N
228	174	RL-83-18C	RL-83-18C	1	N
229	175	RL-83-23B	RL-83-23B	1	Y
230	175	RL-83-23C	RL-83-23C	1	Y
231	175	RL-83-23D	RL-83-23D	1	Y
232	175	RL-83-23E	RL-83-23E	1	Y
236	177	RL-83-26A	RL-83-26A	1	Y
237	177	RL-83-26B	RL-83-26B	1	Y
238	178	RL-83-27C	RL-83-27C	1	Y
239	179	RL-83-28A	RL-83-28A	1	Y
240	179	RL-83-28B	RL-83-28B	1	Y
241	180	RL-83-30A	RL-83-30A	1	N
242	181	RL-83-31A	RL-83-31A	1	Y
243	181	RL-83-31B	RL-83-31B	1	Y
244	182	RL-83-34	RL-83-34	1	N
247	183	RL-83-35D	RL-83-35D	1	Y
248	183	RL-83-35E	RL-83-35E	1	Y
249	184	RL-83-36A	RL-83-36A	1	Y
250	185	RL-83-38B	RL-83-38B	1	Y

Group	Formation	Member
Horton	Albert	
Horton	Albert	
Horton	Albert	
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Horton	Albert	

Sample_Description
Dark grey, noncalcareous, micro-micaceous fractured, slightly indurated mudstone
Light olive green, medium to coarse grained lithic feldspathic arenite
Light olive green, feldspathic, non-calcareous siltstone
Light olive green, fine grained, current ripple laminated, feldspathic arenite
Olive green, micro-micaceous, laminated siltstone with parallel laminations of coarse grai
Dark grey, non-calcareous, micro-micaceous, crumbly siltstone with plant rootlets
Olive green, fine to medium grained, feldspathic arenite
Vitrinite/Inertinite; Medium greenish grey, parallel-laminated subconchoidal fracturing mud
Brownish weathering, pinkish grey, medium to coarse grained, porous, lithic, feldspathic a
Dark grey, slightly calcareous, very slightly kerogenous, parallel laminated, subfissile shal
75% Vitrinite, Trace Alginite
70% Alginite
Vitrinite/Inertinite
20% Alginite
Plant Tissue, Vitrinite
Plant Tissue, Vitrinite
60% Vitrinite
60% Vitrinite
Trace Vitrinite, 90% Alginite
90% Alginite
90% Alginite
90% Alginite
95% Alginite
95% Alginite
40% Alginite and Vitrinite
60% Alginite
80% Alginite
90% Spores, Trace Alginite

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
251	186	RL-83-39A	RL-83-39A	1	Y
252	186	RL-83-39B	RL-83-39B	1	Y
253	186	RL-83-39D	RL-83-39D	1	Y
254	187	RL-83-41B	RL-83-41B	1	Y
255	187	RL-83-41C	RL-83-41C	1	Y
256	187	RL-83-41D	RL-83-41D	1	Y
257	188	RL-83-42	RL-83-42	1	Y
258	189	RL-83-43	RL-83-43	1	N
259	190	RL-83-44A	RL-83-44A	1	N
260	190	RL-83-44B	RL-83-44B	1	N
261	190	RL-83-44C	RL-83-44C	1	N
262	190	RL-83-44D	RL-83-44D	1	N
263	191	RL-83-46A	RL-83-46A	1	Y
264	191	RL-83-46B	RL-83-46B	1	Y
265	191	RL-83-46C	RL-83-46C	1	Y
266	191	RL-83-46D	RL-83-46D	1	Y
267	192	RL-83-47B	RL-83-47B	1	Y
268	192	RL-83-48A	RL-83-48A	1	Y
269	192	RL-83-48B	RL-83-48B	1	Y
270	192	RL-83-48C	RL-83-48C	1	Y
271	192	RL-83-48D	RL-83-48D	1	Y
272	193	RL-83-49A	RL-83-49A	1	Y
273	193	RL-83-49B	RL-83-49B	1	Y
274	193	RL-83-49C	RL-83-49C	1	Y
275	194	RL-83-50A	RL-83-50A	1	Y
276	195	RL-83-51	RL-83-51	1	Y
277	196	RL-83-52	RL-83-52	1	Y
278	197	RL-83-53	RL-83-53	1	Y
279	198	RL-83-54A	RL-83-54A	1	Y
280	198	RL-83-54D	RL-83-54D	1	Y
281	199	RL-83-55	RL-83-55	1	Y
283	201	RL-83-57	RL-83-57	1	Y
284	202	RL-83-58	RL-83-58	1	Y
285	203	RL-83-59B	RL-83-59B	1	N
286	204	RL-83-60A	RL-83-60A	1	Y
291	205	RL-83-61E	RL-83-61E	1	Y
292	205	RL-83-61F	RL-83-61F	1	Y
293	205	RL-83-61G	RL-83-61G	1	Y
294	206	RL-83-62A	RL-83-62A	1	Y
295	206	RL-83-62B	RL-83-62B	1	Y
296	206	RL-83-62C	RL-83-62C	1	Y
298	206	RL-83-62D	RL-83-62D	1	Y

Group	Formation	Member
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
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Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Sussex	Weldon	
Sussex	Weldon	
Horton	Albert	
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Horton	Albert	
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Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	

Sample_Description
Mostly Vitrinite and Inertinite
Mostly Vitrinite and Inertinite
Mostly Vitrinite and Inertinite
Mostly Vitrinite and Inertinite, Trace Alginite
75% Alginite
5% Alginite
Mostly Vitrinite and Interinite, Trace Alginite
90% Alginite
Trace to 5% Alginite
Mainly Inertinite and Vitrinite
Mainly Vitrinite and Inertinite, Trace Alginite
Mainly Vitrinite, Trace (-5%) Alginite
Vitrinite and Inertinite 50%
Vitrinite and Inertinite
90% Alginite
95% Alginite
95% Alginite
95% Alginite
95% Alginite

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
299	206	RL-83-62E	RL-83-62E	1	Y
301	207	RL-83-63B	RL-83-63B	1	Y
303	209	S21-001	S21-1	1	Y
304	210	S21-003	S21-3	1	Y
305	211	S21-006	S21-6	1	Y
306	212	S21-008	S21-8	1	Y
307	213	S21-009	S21-9	1	Y
308	214	S21-010	S21-10	1	Y
309	215	S21-011	S21-11	1	Y
310	216	S21-013	S21-13	1	Y
311	217	S21-062	S21-62	1	Y
312	218	S21-511	S21-511	7	Y
313	219	S22-006	S22-6	1	Y
314	220	S22-007	S22-7	1	Y
315	236	S22-012	S22-12	1	Y
316	237	V22-068	V22-68	1	Y
317	238	V22-069	V22-69	1	Y
318	239	V22-079	V22-79	1	Y
319	240	V22-085A	V22-85A	1	Y
320	240	V22-085B	V22-85B	1	Y
321	241	V22-086	V22-86	1	Y
322	242	V22-089	V22-89	1	Y
323	243	V22-091A	V22-91A	1	Y
324	244	V22-098A	V22-98A	1	Y
325	245	S22-025	S22-25	1	Y
327	247	S22-504	S22-504	1	Y
328	248	S22-505	S22-505	1	Y
329	249	S22-511A	S22-511A	1	Y
331	251	S22-523	S22-523	1	Y
332	252	S22-525	S22-525	1	Y
333	253	S22-526	S22-526	1	Y
334	254	S22-529	S22-529	1	Y
335	255	S22-530	S22-530	1	Y
336	256	S22-532	S22-532	1	Y
338	258	S22-533	S22-533	1	Y
339	259	S22-537	S22-537	1	Y
343	262	S23-02A	S23-2A	1	Y
344	264	S24-501	S24-501	1	Y
345	265	S24-502	S24-502	1	Y
346	266	S24-504	S24-504	1	Y
347	266	S24-504A	S24-504A	1	Y
348	267	S24-509	S24-509	1	Y

Group	Formation	Member
Horton	Albert	
Horton	Albert	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Windsor	Gays River	
Sussex	Hillsborough	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Mabou	Hopewell Cape	
Horton	Albert	
Sussex	Weldon	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	

Sample_Description
20% Alginite
90% Alginite
Medium dark grey, noncalcareous, micro-micaceous, parallel laminated siltstone
Vitrinite/Inertinite; Medium dark grey, slightly calcareous, micro-micaceous, subfissile shal
Dark grey, slightly calcareous, micro-micaceous, silty shale
Medium grey, slightly calcareous siltstone grading to bioturbated fine grained sandstone
Medium grey, very slightly calcareous siltstone grading to reddish grey, very fine grained c
Dark grey, very slightly calcareous, micro-micaceous siltstone and medium grey, fine grai
Medium grey, very fine grained, current ripple laminated feldspathic sandstone with lamin
Medium grey, very fine grained calcareous sandstone and dark grey , slightly calcareous,
Buff weathering, light grey, lumpy dense, aphanitic limestone
Dark grey, friable, medium-grained, micaceous, feldspathic lithic wacke.
Medium grey, slightly calcareous, micr-micaceous siltstone
Medium grey, slightly calcareous, micr-micaceous siltstone
Grey, slightly calcareous, ripple cross laminated, fine to medium grained, micaceous, feld
Red, calcareous, micaceous, fine grained current ripple laminated sandstone
Red weathering, reddish grey, noncalcareous mudstone
Medium grey, slightly calcareous, very fine grained, micro-micaceous current ripple sands
See Ref for different discription: Dark grey, friable, medium-grained, micaceous, feldspath
Medium grey, noncalcareous, fine grained, micaceous feldspathic plant bearing sandston
Dark grey, slightly calcareous, shale with parallel laminations of medium grey siltstone an
Vitrinite/Inertinite;Dark grey, noncalcareous, micro-micaceous silty mudstone
Medium grey, slightly calcareous, very fine grained, micaceous feldspathic plant bearing s
Vitrinite/Inertinite; Olive green weathering, dark grey, non-calcareous, subfissile shale
Interlaminated light and dark grey, non-calcareous mudstone with parallel bioturbated mic
Dark grey, noncalcareous, micro-micaceous mudstone
Light grey, fine grained, slightly calcareous, micaceous feldspathic, current ripple laminate
Brown weathering, medium grey, fine grained, calcareous, micro-micaceous, feldspathic r
Brown weathering, medium dark grey, micro-micaceous, plant bearing siltstone
Brown weathering, dark grey, microparallel laminated (contorted lamination) highly keroge

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
349	268	S24-520	S24-520	1	Y
350	269	S24-84-009	S24-84-9	6	Y
351	270	S24-84-010	S24-84-10	6	Y
352	271	S24-84-011	S24-84-11	6	Y
353	272	S25-84-009	S25-84-9	6	Y
354	273	S25-84-014	S25-84-14	6	Y
355	274	S25-84-032	S25-84-32	6	Y
356	275	S25-84-041	S25-84-41	6	Y
357	276	S25-84-044	S25-84-44	6	Y
358	277	S25-84-045	S25-84-45	6	Y
359	278	S25-84-055	S25-84-55	6	Y
360	279	S25-84-056	S25-84-56	6	Y
361	280	S25-84-064A	S25-84-64A	6	Y
362	280	S25-84-064B	S25-84-64B	6	Y
363	281	S25-84-067C	S25-84-67C	6	Y
364	282	S25-84-071	S25-84-71	6	Y
365	283	S25-84-073	S25-84-73	6	Y
366	284	S25-84-077	S25-84-77	6	Y
367	285	S25-84-079	S25-84-79	6	Y
368	286	S25-84-081	S25-84-81	6	Y
369	287	S25-84-082	S25-84-82	6	Y
370	288	S25-84-091	S25-84-91	6	Y
371	289	S25-84-099	S25-84-99	6	Y
372	290	S25-84-100	S25-84-100	6	Y
373	291	S25-84-112	S25-84-112	6	Y
374	292	S25-84-119A	S25-84-119A	6	Y
375	293	S25-84-122	S25-84-122	6	Y
376	294	S25-84-123	S25-84-123	6	Y
377	295	S25-84-132	S25-84-132	6	Y
378	296	S25-84-139	S25-84-139	6	Y
379	297	S25-84-141	S25-84-141	6	Y
380	298	S25-84-148	S25-84-148	6	Y
381	299	S25-84-157	S25-84-157	6	Y
382	300	S25-84-171	S25-84-171	6	Y
383	301	S25-84-183	S25-84-183	6	Y
384	302	S25-84-187	S25-84-187	6	Y
385	303	S25-84-203	S25-84-203	6	Y
386	304	Sample 1	Sample 1	14	Y
387	305	Sample 2	Sample 2	14	Y
388	306	Sample 3	Sample 3	14	Y
389	307	Sample 4	Sample 4	14	Y
390	308	Sample 5	Sample 5	14	Y

Group	Formation	Member
Horton	Albert	
Sussex	Round Hill	
Sussex	Round Hill	
Sussex	Round Hill	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
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Horton	Albert	
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Horton	Albert	
Horton	Albert	
Horton	Albert	
Cumberland	Boss Point	
Pictou	Salisbury	
Pictou	Richibucto	
Pictou	Minto	
Pictou	Minto	

Sample_Description

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
391	309	Sample 6	Sample 6	14	Y
392	310	Sample 7	Sample 7	14	Y
393	311	T20-001	T20-1	1	N
394	312	T20-005 (1 of	T20-5 (1 of 2)	1	Y
395	312	T20-005 (2 of	T20-5 (2 of 2)	7	Y
396	313	T21-004	T21-4	1	Y
397	314	T21-007	T21-7	1	Y
398	315	T21-009	T21-9	1	Y
399	316	T21-010	T21-10	1	Y
400	317	T21-031	T21-31	1	Y
401	318	T21-037	T21-37	1	Y
402	319	T21-040	T21-40	1	Y
403	320	T21-046	T21-46	1	Y
404	321	T21-501	T21-501	1	Y
405	322	T21-505	T21-505	1	Y
406	322	T21-505A	T21-505A	1	Y
407	323	T21-513	T21-513	1	Y
408	324	T21-520	T21-520	1	Y
409	325	T21-522	T21-522	1	Y
410	326	T22-001	T22-1	1	Y
411	327	T23-017	T23-17	1	Y
412	328	T23-025	T23-25	1	Y
413	329	T23-039	T23-39	1	Y
414	330	T23-508A	T23-508A	1	Y
415	331	T23-510	T23-510	1	Y
416	332	T23-518	T23-518	1	Y
417	333	T23-537	T23-537	1	Y
418	334	T23-546	T23-546	1	Y
419	335	T23-547	T23-547	1	Y
420	336	T23-548	T23-548	1	Y
421	336	T23-548A	T23-548A	1	Y
422	337	T23-551	T23-551	1	Y
423	338	T23-554	T23-554	1	Y
424	339	T23-560	T23-560	1	Y
425	340	T23-564	T23-564	1	Y
426	341	T23-566	T23-566	1	Y
427	342	T23-571	T23-571	1	Y
428	343	T23-581	T23-581	1	Y
429	344	T23-594	T23-594	1	Y
430	345	T23-600A	T23-600A	1	Y
431	345	T23-600B	T23-600B	1	Y
432	346	T23-605	T23-605	1	Y

Group	Formation	Member
Pictou	Minto	
Pictou	Minto	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Hillsborough	
Horton	Albert	
Sussex	Round Hill	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
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Horton	Albert	
Horton	Albert	

Sample_Description
Medium grey, slightly micaceous siltstone with flazer laminations of fine-grain cross-ripple
Medium grey, slightly micaceous siltstone with flazer laminations of fine-grain cross-ripple
Vitrinite/Inertinite
80% Spores
10% Alginite
95% Alginite

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
433	347	T23-608	T23-608	1	Y
434	348	T23-611	T23-611	1	Y
435	349	T23-612	T23-612	1	Y
436	350	T23-622	T23-622	1	Y
437	351	T23-630	T23-630	1	Y
438	352	T23-641	T23-641	1	Y
439	353	T24-009A	T24-9A	1	Y
440	354	T24-010A	T24-10A	1	Y
441	355	T24-021	T24-21	1	Y
442	356	T24-037	T24-37	1	Y
443	357	T24-039	T24-39	1	Y
444	358	T24-047	T24-47	1	Y
445	359	T24-049	T24-49	1	Y
446	359	T24-049A	T24-49A	1	Y
447	361	T24-086	T24-86	1	Y
448	362	T24-087	T24-87	1	Y
449	363	T24-100	T24-100	1	Y
450	364	T24-512	T24-512	1	Y
451	365	T24-545	T24-545	1	Y
452	366	T24-599	T24-599	1	Y
453	367	6	Taylor Village Pit	2	Y
454	368	U19-01	U19-1	1	Y
455	109	L390-43	U19-84-1 - L390-4	6	Y
456	370	U20-031	U20-031	1	Y
457	371	U20-032	U20-032	1	Y
458	372	U20-033	U20-033	1	Y
459	373	U20-050	U20-050	1	Y
460	374	U20-052	U20-052	1	Y
461	375	U20-058	U20-058	1	Y
462	376	U20-507	U20-507	1	Y
463	110	L390-44	U20-509 - L390-44	7	Y
464	119	L390-53	U20-510 - L390-53	1	Y
465	111	L390-45	U20-511 - L390-45	7	Y
466	380	U20-512	U20-512	1	Y
467	381	U20-517	U20-517	1	Y
468	112	L390-46	U20-519 (1 of 2) -	1	Y
469	112	U20-519 (2 of	U20-519 (2 of 2)	7	Y
470	383	U20-520	U20-520	1	Y
471	113	L390-47	U20-522 - L390-47	1	Y
472	385	U20-524	U20-524	7	Y
473	386	U20-525	U20-525	1	Y
474	114	L390-48	U20-528 (1 of 2) -	7	Y

Group	Formation	Member
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Windsor	Gays River	
Sussex	Round Hill	
Horton	Albert	
Horton	Albert	
Sussex	Round Hill	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Sussex	Round Hill	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Unnamed	
Horton	Unnamed	
Horton	Albert	
Horton	Albert	
Sussex	Weldon	
Sussex	Round Hill	
Sussex	Weldon	
Horton	Albert	
Horton	Albert	
Horton	Albert	
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Horton	Albert	
Horton	Albert	

Sample_Description
95% Alginite
Dark grey, calcareous, micro-micaceous, very slightly kerogenous, sitly mudstone. Hard a
30% Alginite; Light grey, noncalcareous, subconchoidal fracturing mudstone
Light grey, slightly calcareous, micro-micaceous
Light brown weathering, light medium grey, very slightly calcareous, micro-micaceous mu
Brown weathering, light grey, noncalcareous fine grained, quartzose feldspathic sandston
Brown weathering, medium grey, calcareous very fine grained micaceous sandstone
Dark grey, hackly fractured, highly calcareous indurated mudstone cut by small calcite vei
Medium grey, calcareous, micro-micaceous, parallel laminationed, indurated silty mudsto
Brown-weathering, brownish grey, microlaminated, slightly dolomitic siltstone. Sample co
Light grey weathering, dark greyish brown, parallel laminated, slightly dolomitic, very slight
Brown-weathering, dark grey, parallel-laminated, slightly dolomitic siltstone. Laminations
Brown weathering, medium grey, slightly calcareous (dolomitic?) parallel laminated hard
Light grey, slightly calcareous, indurated mudstone
Brown-weathering, medium grey, laminated, dolomitic siltstone. Rock has three types of l
Brown-weathering, medium grey, laminated, dolomitic siltstone. Rock has three types of l
Brown weathering, medium grey, noncalcareous, micro-micaceous, very fine grained, pla
100% Alginite; Dark grey, parallel laminated, calcareous (dolomitic?), slightly kerogenous,
Dark grey, slightly micaceous, slightly dolomitic siltstone. Rock has flow folds outlined by
Brown weathering, dark grey, parallel laminated, fractured, dolomitic, very very slightly ker
Grey-weathering, brownish grey, parallel-laminated, subfissile, slightly calcareous and dol

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
475	114	U20-528 (2 of	U20-528 (2 of 2)	1	Y
476	115	U20-538	U20-538	1	Y
477	526	L390-49	U20-538E - L390-	1	Y
479	390	U20-538E	U20-538E	7	Y
480	391	V22-056	V22-56	1	Y
481	392	U23-020	U23-20	1	Y
482	393	U23-043	U23-43	1	Y
483	394	U23-056	U23-56	1	Y
484	395	U23-060	U23-60	1	Y
485	396	U23-063	U23-63	1	Y
486	397	U23-068	U23-68	1	Y
487	398	U23-084	U23-84	1	Y
488	399	U23-110	U23-110	1	Y
489	400	U23-129	U23-129	1	Y
490	401	U23-502A	U23-502A	1	Y
491	402	U23-505	U23-505	1	Y
492	403	U23-508	U23-508	1	Y
493	404	U23-510A	U23-510A	1	Y
494	404	U23-510C	U23-510C	1	Y
495	405	U23-514	U23-514	1	Y
496	406	U23-517	U23-517	1	Y
497	407	U23-518	U23-518	1	Y
498	408	U23-519	U23-519	1	Y
499	409	U23-522A	U23-522A	1	Y
500	410	U23-523	U23-523	1	Y
501	411	U23-526	U23-526	1	Y
502	411	U23-526A	U23-526A	1	Y
503	412	U23-527	U23-527	1	Y
504	413	U23-529	U23-529	1	Y
505	414	U23-531	U23-531	1	Y
506	415	U23-540	U23-540	1	Y
507	416	U23-546A	U23-546A	1	Y
508	417	U23-547	U23-547	1	Y
509	418	U23-548	U23-548	1	Y
510	419	U23-551A	U23-551A	1	Y
511	420	U23-559	U23-559	1	Y
512	421	U23-563	U23-563	1	Y
513	422	U23-572A	U23-572A	1	Y
514	423	U23-578	U23-578	1	Y
515	424	U23-589A	U23-589A	1	Y
516	425	U23-593A	U23-593A	1	Y
517	426	U23-594	U23-594	1	Y

Group	Formation	Member
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
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Horton	Albert	

Sample_Description
Dark grey, parallel-laminated, slightly dolomitic, slightly kerogenous indurated, fractured m
Dark grey, parallel-laminated, slightly calcareous (dolomitic?), indurated, slightly kerogeno
Dark grey, parallel-laminated, slightly calcareous (dolomitic?), fractured, indurated, kerog
Brown-weathering, dark grey, dolomitic siltstone. Rock has three types of laminations as
Dark grey, calcareous, microlaminated, highly kerogenous fissle oil shale
95% Alginite
A - 50% grey (w) - brn grey (f) non-calcareous kerogenous shale. Fairly good fissibility bu
100% lt grey (w) + (f), parallel laminated sub fissile shale with a slight kerogen smell. We
Grey shale, weathered seems to be papery, non-weathered more competent. Small lens
90% grey (w), med brn (f), parallel laminated, fissile to sub-fissile shale. Weathered tend
Taken upstream of outcrop. Siltstone, fish scale in it. No longer bands visible. Burns 5
Parallel laminated sub-fissile shale. Same fissibility char. As outcrop before this. Slight k
BRN (w) - med-dk brwn (f) parallel lam, mod calc kerogenous siltstone. Breaks in layers
Buff-brn (w); med brn (f), kerogen bearing slst, abundant soft sed. Folding, blocky lam. Sit
Parallel lam. Kerogenous shale with good fissibility. Weathering phenomena same as bef
50% parallel lam, commonly exhibits soft sed. Folding kerogenous siltstone. Samples wit
75% green/grey(w) - grey(f) non calc, parallel lam, non fissile siltstone. Very slight keroge
50% grey brn(w) parallel lam. Siltstone, very little fissibility, little kerogen present, but has
50% grey brn(w) parallel lam. Siltstone, very little fissibility, little kerogen present, but has
100% blocky lam. Siltstone, exhibits numerous soft sed. Folds with kerogen layers very ev
5% gr(w) & (f) parallel lam, f g sstone. Beds 2-3cm. 95% grey(w) dk grey(f) shale. Some

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
518	427	U23-606	U23-606	1	Y
519	428	U23-609	U23-609	1	Y
520	429	U23-611	U23-611	1	Y
521	430	U23-614	U23-614	1	Y
522	431	U23-616	U23-616	1	Y
523	432	U23-621B	U23-621B	1	Y
524	433	U23-625	U23-625	1	Y
525	434	U23-629	U23-629	1	Y
526	435	U23-631B	U23-631B	1	Y
527	436	U23-636	U23-636	1	Y
528	436	U23-636A	U23-636A	1	Y
529	437	U23-642	U23-642	1	Y
530	438	V19-004	V19-4	7	Y
531	221	V19-006	V19-6	1	Y
532	116	L390-50	V19-7 - L390-50	7	Y
533	223	L390-51	V19-8 (1 of 2) - L3	1	Y
534	223	V19-008 (2 of 2	V19-8 (2 of 2)	7	Y
535	224	V19-009	V19-9	7	Y
536	225	V19-011 - L390	V19-11 - L390-52	1	Y
537	226	V19-507	V19-507	7	Y
538	227	V22-002	V22-2	1	Y
539	228	V22-018	V22-18	1	Y
540	229	V22-020	V22-20	1	Y
541	230	V22-026	V22-26	1	Y
542	231	V22-031	V22-31	1	Y
543	232	V22-033	V22-33	1	Y
544	233	V22-037	V22-37	1	Y
545	234	V22-040A	V22-40A	1	Y
546	235	V22-044	V22-44	1	Y
547	439	V22-059	V22-59	1	Y
548	440	V22-061	V22-61	1	Y
549	441	V22-067	V22-67	1	Y
550	442	V22-101	V22-101	1	Y
551	443	V22-103A	V22-103A	1	Y
552	444	V22-106	V22-106	1	Y
553	445	V22-109	V22-109	1	Y
554	446	V22-110	V22-110	1	Y
555	464	V22-117	V22-117	1	Y
556	465	V22-503	V22-503	1	Y
557	466	V22-507	V22-507	6	Y
558	467	V22-508	V22-508	1	Y
559	468	V22-521A	V22-521A	1	Y

Group	Formation	Member
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
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Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Sussex	Weldon	
Sussex	Weldon	
Horton	Albert	
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Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Windsor	Macumber	
Sussex	Weldon	
Sussex	Round Hill	
Horton	Albert	
Sussex	Weldon	

Sample_Description
Abundant ruble. 30% brn(w)-med brn-dk grey(f), parallel lam, non-calcareous siltstone. I
50% Buff to brn(w) dense hard massive siltstone, to very fine grained sandstone. Very sli
Same as 609, with traces of mica. Adds to flame 3 So 95 deg/ 20 deg N
Most likely rubble . Possible boulder. Lt grey(w)-med dk brn(f) lightly contorted, soft sed-f
Blocky lam. Siltstone with abundant soft folds and abundant kerogen shale. Very light dk,
Brown-weathering, dark grey, very slightly calcareous, moderately dolomitic, pyritic siltsto
90% Alginite
Brown-weathering, dark grey, dolomitic siltstone. Rock contains visible fine-grained flake
Brown-weathering, dark grey, dolomitic siltstone. Rock contains visible fine-grained flake
Brown-weathering, dark grey, dolomitic siltstone. Rock contains visible fine-grained flake
Brown-weathering, dark grey, parallel-laminated, dolomitic siltstone. Laminations are disc
Brown-weathering, dark grey, sheared, very fine-grained, slightly calcareous sandstone.
Vitrinite/Inertinite

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
560	469	V22-523	V22-523	1	Y
561	470	V22-525	V22-525	1	Y
562	471	V22-527A	V22-527A	1	Y
563	472	V22-537	V22-537	1	Y
564	473	V22-546	V22-546	1	Y
565	474	V22-547	V22-547	1	Y
566	475	V23-033	V23-33	1	Y
567	476	V23-036	V23-36	1	Y
568	477	V23-061	V23-61	1	Y
569	478	V23-074	V23-74	1	Y
570	479	V23-081	V23-81	1	Y
571	480	V23-093	V23-93	1	Y
572	481	V23-116	V23-116	1	Y
573	482	V23-139	V23-139	1	Y
574	483	V23-206	V23-206	1	Y
575	484	V23-594	V23-594	1	Y
576	485	W22-002	W22-2	1	Y
577	486	W22-003B	W22-3B	1	Y
578	487	W22-004	W22-4	7	Y
579	488	W22-006	W22-6	1	Y
580	489	W22-008	W22-8	7	Y
581	490	W22-009	W22-9	1	Y
582	491	W22-010	W22-10	7	Y
583	492	W22-013	W22-13	1	Y
584	493	W22-015	W22-15	1	Y
585	494	W22-016A	W22-16A	1	Y
586	495	W22-017	W22-17	1	Y
587	496	W22-018	W22-18	1	Y
588	497	W22-020A	W22-20A	1	Y
589	497	W22-020B	W22-20B	1	Y
590	498	W22-022	W22-22	1	Y
591	499	W22-025A	W22-25A	1	Y
592	500	W22-027	W22-27	1	Y
593	501	W22-029A	W22-29A	1	Y
594	502	W22-030A	W22-30A	1	Y
595	503	W22-032	W22-32	1	Y
596	504	W22-033	W22-33	1	Y
597	505	W22-035A	W22-35A	1	Y
598	506	W22-036A	W22-36A	1	Y
599	507	W22-037	W22-37	1	Y
600	508	W22-039	W22-39	1	Y
601	509	W22-043	W22-43	1	Y

Group	Formation	Member
Sussex	Weldon	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Windsor	Gays River	
Horton	Albert	
Windsor	Macumber	
Mabou	Hopewell Cape	
Sussex	Round Hill	
Sussex	Round Hill	
Sussex	Weldon	
Horton	Albert	
Sussex	Round Hill	
Horton	Albert	
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Horton	Albert	
Horton	Albert	

Sample_Description
100% Alginite
100 % Alginite
95% Alginınte
Brown-weathering, dark grey, dolomitic laminite. Rock is formed of contorted very thin la
Brownish grey-weathering, dark grey, subfissile dolomitic shale. Rock has parallel lamina
Dark brown-weathering, dark grey, subfissile, slightly dolomitic, silty shale. Rock contains

General_Note	Palynology
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
602	510	W22-044	W22-44	1	Y
603	447	W22-046A	W22-46A	1	Y
604	584	W22-046B	W22-46B	1	Y
605	584	W22-046C	W22-46C	1	Y
606	449	W22-048	W22-48	1	Y
607	450	W22-509A	W22-509A	1	Y
608	451	W22-515A	W22-515A	1	Y
609	452	W22-519	W22-519	1	Y
610	453	W23-001	W23-1	1	Y
611	454	W23-004	W23-4	1	Y
612	455	W23-007	W23-7	1	Y
613	456	W23-009	W23-9	1	Y
614	457	W23-010	W23-10	1	Y
615	458	W23-012	W23-12	1	Y
616	459	W23-014	W23-14	1	Y
617	460	W23-016	W23-16	1	Y
618	461	W23-019	W23-19	1	Y
619	462	W23-022	W23-22	1	Y
620	463	W23-025	W23-25	1	Y
622	514	GSC D-1971	GSC D-1971	33	Y
623	515	C-136301	C-136301	34	Y
624	516	C-136302	C-136302	34	Y
625	517	C-136303	C-136303	34	Y
626	518	C-136304	C-136304	34	Y
627	519	C-136305	C-136305	34	Y
628	520	C-136306	C-136306	34	Y
630	521	#5	#5	36	Y
631	522	#6	#6	36	Y
632	523	#7	#7	36	Y
633	524	#8	#8 Urney	36	Y
634	527	CS92-262F	CS92-262F	39	Y
635	528	535-082-2A	535-082-2A	39	Y
636	529	CS94-011	CS94-011	39	Y
637	530	CS94-106d	CS94-106d	39	Y
638	531	CS94-126B	CS94-126B	39	Y
639	532	CS94-138	CS94-138	39	Y
640	533	CS94-188	CS94-188	39	Y
641	534	CS94-250	CS94-250	39	Y
642	535	CS94-030	CS94-030	39	Y
644	537	S22-511	S22-511	39	Y
645	538	S23-521	S23-521	39	Y
646	539	95SJ-068A1	95SJ-068A1	39	Y

Group	Formation	Member
Horton	Albert	
Horton	Albert	
Windsor	Lime-kiln Brook	
Windsor	Lime-kiln Brook	
Windsor	Lime-kiln Brook	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Mabou	Hopewell Cape	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Mabou	Hopewell Cape	
Horton	Albert	Hiram Brook
Horton	Albert	Hiram Brook
Horton	Albert	Hiram Brook
Horton	Albert	Hiram Brook
Horton	Albert	Hiram Brook
Horton	Albert	Hiram Brook
Horton	Albert	
Horton	Albert	Fredericks Bro
Horton	Albert	
Horton	Albert	
Windsor	Unnamed	
Pictou	Richibucto	
Sussex	Weldon	
Pictou	Salisbury	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Pictou	Salisbury	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	
Sussex	Weldon	

Sample_Description
95% Alginite
Base of the Hopewell Formation - Thin Mudstone unit 3.1 m above upper most carbonate

General_Note	Palynology
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Base Hopewell	☑
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Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
647	540	95SJ-294A4	95SJ-294A4	39	Y
648	541	T21-526	T21-526	39	Y
649	542	536-085-1A1	536-085-1A1	39	Y
650	543	95SJ-381D3	95SJ-381D3	39	Y
651	544	P26-7	P26-7	39	Y
652	545	95SJ-437C3	95SJ-437C3	39	Y
653	546	95SJ-439B3	95SJ-439B3	39	Y
654	547	R23-541	R23-541	39	Y
655	536	S22-49	S22-49	39	Y
656	548	95SJ-523D2	95SJ-523D2	39	Y
657	549	95SJ-525G1	95SJ-525G1	39	Y
658	550	CS95-003f	CS95-003f	39	Y
659	551	CS95-262	CS95-262	39	Y
660	552	CS95-295	CS95-295	39	Y
661	553	CS95-332	CS95-332	39	Y
662	554	CS95-481	CS95-481	39	Y
663	555	CS95-501	CS95-501	39	Y
664	556	CS95-572	CS95-572	39	Y
665	557	CS96-002	CS96-002	39	Y
666	558	CS96-098	CS96-098	39	Y
667	559	CS96-404	CS96-404	39	Y
668	560	96SJ-521P	96SJ-521P	39	Y
669	561	508-203-1B	508-203-1B	39	Y
670	562	95SJ-440A1	95SJ-440A1	39	Y
671	563	95SJ-447A3	95SJ-447A3	39	Y
672	564	99SJ-DC440	99SJ-DC440	39	Y
673	565	CS00-048A	CS00-048A	39	Y
674	566	CS00-48M	CS00-48M	39	Y
675	567	Head Millstrea	Head Millstream 1	39	Y
676	568	CS01-027	CS01-027	39	Y
677	569	CS01-078	CS01-078	39	Y
678	570	CS01-084	CS01-084	39	Y
679	571	CS01-162	CS01-162	39	Y
680	572	CS01-250a	CS01-250a	39	Y
681	87	CS01-321a	CS01-321a	39	Y
682	574	CS01-331d	CS01-331d	39	Y
683	575	SJ02-106	SJ02-106	39	Y
684	576	SJ02-384	SJ02-384	39	Y
685	577	CS02-048	CS02-048	39	Y
686	578	CS02-213	CS02-213	39	Y
687	579	CS02-322	CS02-322	39	Y
688	580	CS02-357	CS02-357	39	Y

Group	Formation	Member
Cumberland	Boss Point	
Sussex	Weldon	
Cumberland	Boss Point	
Cumberland	Boss Point	
Horton	Albert	
Cumberland	Boss Point	
Mabou	Shepody	
Horton	Albert	
Sussex	Weldon	
Cumberland	Grande Anse	
Cumberland	Grande Anse	
Windsor	Lime-kiln Brook	
Cumberland	Boss Point	
Cumberland	Boss Point	
Mabou	Maringouin	
Cumberland	Boss Point	
Windsor	Lime-kiln Brook	
Cumberland	Boss Point	
Mabou	Maringouin	
Cumberland	Boss Point	
Mabou	Shepody	
Mabou	Shepody	
Cumberland	Boss Point	
Cumberland	Grande Anse	
Cumberland	Grande Anse	
Cumberland	Boss Point	
Horton	Albert	
Sussex	Weldon	
Horton	Albert	
Windsor	Unnamed	
Pictou	Minto	
Pictou	Minto	
Windsor	Unnamed	
Windsor	Unnamed	
Pictou	Minto	
Pictou	Minto	
Cumberland	Boss Point	
Cumberland	Boss Point	
Horton	Albert	
Horton	Albert	
Horton	Albert	
Horton	Albert	

Sample_Description

General_Note	Palynology
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See Loc R23-5	☑
Queenstown	☑
Black Brook	☑
Otter Brook	☑
Rathburn Brook	☑
Irving Brook	☑
North Brook (C	☑
Hwy7 Mud Broo	☑
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New Line Road	☑
Hazel Hill	☑
Mill Brook	☑
Trib. Wards Bro	☑

Rx_Sample_ID	Rx_Sample_Location_Id	Lab_Number	Sample_Number	Reference	Plot
689	581	CS03-235	CS03-235	39	Y
690	582	CS03-69	CS03-69	39	Y
691	583	CS98-006	CS98-006	39	Y

Group	Formation	Member
Sussex	Weldon	
Sussex	Hillsborough	
Pictou	Salisbury	

Sample_Description

General_Note	Palynology
	☑
	☑
	☑

RX_Sample_Locatio	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
1	46	1	45.57333	65.751	41	21H/12	45
2	46	1	45.56742	65.72486	55	21H/12	45
4	46	1	45.56808	65.72692	54	21H/12	45
5		6	45.57008	65.73586	67	21H/12	45
6		6	45.59806	65.64439	82	21H/12	45
7	46	6	45.59556	65.65164	75	21H/12	45
9	46	1	45.92378	65.44644	142	21H/14	45
10	46	1	45.92336	65.44625	138	21H/14	45
11	46	1	45.92236	65.44575	132	21H/14	45
12	46	1	45.84856	65.54647	65	21H/13	45
13	46	1	45.85075	65.54667	63	21H/13	45
14	43	1	46.04578	65.20239	108	21I/03	46
16	43	1	46.07636	65.10453	76	21I/03	46
17	43	1	46.00161	65.19794	50	21I/03	46
18	43	1	45.91711	65.33722	93	21H/14	45
19	43	1	45.82639	65.43928	68	21H/14	45
20	46	1	45.66936	65.54825	95	21H/12	45
21	46	1	45.67583	65.54803	69	21H/12	45
22	46	1	45.66808	65.55669	158	21H/12	45
23	46	1	45.65939	65.56167	84	21H/12	45
24	46	1	45.68244	65.53117	133	21H/12	45
25	46	1	45.67756	65.51428	121	21H/12	45
26	46	1	45.68717	65.48708	69	21H/11	45
27	46	1	45.69258	65.48175	60	21H/11	45
28	46	1	45.6745	65.49108	111	21H/11	45
29	46	1	45.66408	65.46408	143	21H/11	45
30	46	1	45.66958	65.44178	147	21H/11	45
31	46	1	45.66703	65.51353	85	21H/12	45
32	46	1	45.63972	65.58917	147	21H/12	45
33	46	1	45.694	65.47572	69	21H/11	45
34	46	1	45.66364	65.4825	158	21H/11	45
35	46	1	45.68731	65.59606	65	21H/12	45
36	46	1	45.68603	65.59628	70	21H/12	45
37	43	1	45.88861	65.49703	141	21H/14	45
38		1					45
39		1					45
40	46	1	45.71169	65.46953	47	21H/11	45
41	46	1	45.71103	65.46836	53	21H/11	45
42	46	1	45.48133	65.65544	90	21H/05	45
43	46	1	45.85306	64.6895	130	21H/15	45
44		1	45.74258	65.44897			45
45		7	45.88203	64.69358	91	21H/15	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
34	24	65	45	3.6	
34	2.7	65	43	29.5	
34	5.1	65	43	36.9	
34	12.3	65	44	9.1	
35	53	65	38	39.8	
35	44	65	39	5.9	
55	25.6	65	26	47.2	
55	24.1	65	26	46.5	
55	20.5	65	26	44.7	
50	54.8	65	32	47.3	
51	2.7	65	32	48	
2	44.8	65	12	8.6	
4	34.9	65	6	16.3	
0	5.8	65	11	52.6	
55	1.6	65	20	14	
49	35	65	26	21.4	
40	9.7	65	32	53.7	
40	33	65	32	52.9	
40	5.1	65	33	24.1	
39	33.8	65	33	42	
40	56.8	65	31	52.2	
40	39.2	65	30	51.4	
41	13.8	65	29	13.5	
41	33.3	65	28	54.3	
40	28.2	65	29	27.9	
39	50.7	65	27	50.7	
40	10.5	65	26	30.4	
40	1.3	65	30	48.7	
38	23	65	35	21	
41	38.4	65	28	32.6	
39	49.1	65	28	57	
41	14.3	65	35	45.8	
41	9.7	65	35	46.6	
53	19	65	29	49.3	
		65			????
		65			????
42	42.1	65	28	10.3	
42	39.7	65	28	6.1	
28	52.8	65	39	19.6	
51	11	64	41	22.2	
44	33.3	65	26	56.3	?????
52	55.3	64	41	36.9	

Location Note
S21?
T21? - East of Killiam Mills
T21? - East of Haveloch
S22? - Cornhill
R23? - East of Jordan Mountain
R23-504 - Head of Millstream
From 80MAO - 102 loc
From 80MAO - 119 loc
NW of Albert Mines

RX_Sample_Locatior	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
46		9	45.93075	64.59069	38	21H/15	45
47	35	24	45.97156	64.95128	44	21H/15	45
48	35	20	46.20219	64.80489	104	21I/02	46
49	35	20	45.67306	66.10833	58	21G/09	45
50	35	20	45.57639	66.71444	94	21G/10	45
51	35	20	45.60903	66.38631	79	21G/09	45
52	35	20	45.60917	66.38611	80	21G/09	45
53		5	45.98433	65.37275	136	21H/14	45
54		5	45.98436	65.37272	136	21H/14	45
55		5	45.93789	64.525	11	21H/15	45
56		5	45.85169	64.68753	154	21H/15	45
57		23	45.89344	65.09225	51	21H/14	45
58		5	45.65239	65.51042	94	21H/12	45
60		5	45.85242	65.76167	58	21H/13	45
61		5	45.65178	65.51564	97	21H/12	45
63		15	47.72917	65.39167	30	21P/11	47
64		15	47.80417	64.85	2	21P/15	47
65		15	47.68333	65	9	21P/10	47
66		14	47.8625	64.55	2	21P/15	47
67		15	47.53333	65.03333	41	21P/11	47
68		14	47.42917	65.325	91	21P/06	47
69		14	47.08333	65.40833	39	21P/03	47
70		14	46.73333	66.04583	61	21J/08	46
71		14	46.45833	66.425	91	21J/08	46
72		14	46.3375	64.70417	15	21I/07	46
73		14	46.4375	65.06667	30	21I/06	46
74		14	46.325	65.00417	61	21I/06	46
75		14	46.375	65.15417	61	21I/06	46
76		14	46.2125	65.25833	79	21I/03	46
77		14	46.1125	65.31389	30	21I/03	46
78		14	46.22917	65.6375	61	21I/04	46
79		14	46.29167	65.72083	30	21I/05	46
80		14	46.275	65.72917	30	21I/05	46
81		14	46.04583	66.2	30	21J/01	46
82		14	46.24167	66.6	91	21J/02	46
83		14	46.3	66.6	122	21J/07	46
84		15	46.19158	66.74094	225	21J/02	46
85		14	45.67917	66.77083	55	21G/10	45
86		14	45.625	66.60833	76	21G/10	45
87		15	45.66833	66.32611	105	21G/09	45
88		14	46.06667	65.7	53	21I/04	46
89		14	45.89167	65.8	26	21H/13	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
55	50.7	64	35	26.5	
58	17.6	64	57	4.6	Namurian and Wes
12	7.9	64	48	17.6	
40	23	66	6	30	
34	35	66	42	52	
36	32.5	66	23	10.7	
36	33	66	23	10	
59	3.6	65	22	21.9	
59	3.7	65	22	21.8	
56	16.4	64	31	30	Check
51	6.1	64	41	15.1	Check
53	36.4	65	5	32.1	
39	8.6	65	30	37.5	Check
51	8.7	65	45	42	
39	6.4	65	30	56.3	
43	45	65	23	30	NB 25
48	15	64	51	0	
41	0	65	0	0	Prospect
51	45	64	33	0	Float
32	0	65	2	0	Trench
25	45	65	19	30	
5	0	65	24	30	
44	0	66	2	45	Prospect
27	30	66	25	30	
20	15	64	42	15	Float
26	15	65	4	0	Strip Mine
19	30	65	0	15	
22	30	65	9	15	Strip Mine
12	45	65	15	30	Float
6	45	65	18	50	Float
13	45	65	38	15	
17	30	65	43	15	
16	30	65	43	45	Strip Mine
2	45	66	12	0	Strip Mine
14	30	66	36	0	Prospect
18	0	66	36	0	
11	29.7	66	44	27.4	Prospect
40	45	66	46	15	
37	30	66	36	30	Prospect
40	6	66	19	34	Prospect
4	0	65	42	0	Float
53	30	65	48	0	Prospect

Location Note
See map in folder…
West bank of Little River between Colpi
Shediac River
Queenstown
Black Brook
Irving Brook
Irving Brook
Swamp Hill
Swamp Hill
Dorchester Quarry
Wilson Brook
East Bank Pollett River
Wards Creek
Lawsons Brook
McCarthy Brook
Approx. Cliff section at Clifton
Cliff section at Caraquet
Approx. Maltampec Road, 5 mi W of U
First stream W of Pigeon Hill on Shippe
Approx. North Brook, 6 mi W of Tracad
North Brook, 8.5 mi SE of Allardville
Norht shore Miramichi River, 6 mi E of
Dungarvon River, 3 mi upstream on Un
Taxis River at Boiestown, near Hwy 25
Murray Brook, 4 mi W of Cocagne-Nor
1 mi S of Beersville, E side Coal Branc
North Branch of Buctouche River, 1 mi
1 mi N of Coal Branch Station
Lower North Canaan River, 1 mi N of C
Lower North Canaan River, 3 mi NE of
Coal Creek, 1.5 mi E of CNR, 5 mi W
Salmon River, 1.5 mi E of Castaway
1 mi S of Chipman
6 mi W of Minto on Eighteen Mile Broo
McCallum Brook, .25 mi up from Highw
Cross Creek, 600 ft S of mouth of Five
Approx. Woodlands road intersection o
4 mi W of Tracy on Northwest Oromoct
3 mi S of Fredericton Junction Scribner
North Brook, Clones Coal Prospect
Hector Brook, ~9 mi E of Cumberland
Long Creek, 2 mi NE of Codys

RX_Sample_Locatio	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
90		14	45.8	65.39167	61	21H/14	45
91		14	46.13333	64.8375	30	21I/02	46
92		14	46.19583	64.53333	20	21I/02	46
93		14	46.18889	64.30833	19	21I/01	46
94		14	46.15417	64.0625	10	21I/01	46
95		14	45.90833	64.50833	46	21H/15	45
96		14	45.775	64.50833	14	21H/15	45
97		14	45.7375	64.49167	33	21H/09	45
98		15	45.60533	64.91275	3	21H/10	45
99		15	45.37917	65.46417			45
100		15	45.30944	65.58861	3	21H/05	45
101		15	45.295	65.65583	3	21H/05	45
102		15	45.2775	65.72111	3	21H/05	45
103		15	45.25833	65.73	3	21H/05	45
104		15	45.12886	66.46328	3	21G/01	45
105		28					
106		28					
107		28					
109		6	46.20256	64.84089	175	21I/02	46
110		7	46.16622	64.92269	165	21I/02	46
111		7	46.19111	64.8685	191	21I/02	46
112		7	46.18319	64.86231	160	21I/02	46
113	46	7	46.19056	64.84644	130	21I/02	46
114	46	7	46.19114	64.84317	127	21I/02	46
115	46	1	46.19922	64.84386	175	21I/02	46
116		7	46.23653	64.77903	69	21I/02	46
119	46	1	46.17311	64.90667	190	21I/02	46
121		26					
123	5	12	45.88211	64.69397	92.5	21H/15	45
124	46	1	45.57194	65.806	67	21H/12	45
125	46	1	45.57272	65.80589	70	21H/12	45
126	46	1	45.53661	65.83175	28	21H/12	45
127	46	1	45.54314	65.81039	40	21H/12	45
129	46	1	45.73272	65.62486	52	21H/12	45
130	46	1	45.73144	65.6305	73	21H/12	45
131	46	1	45.71292	65.65264	93	21H/12	45
133	46	1	45.74683	65.60403	25	21H/12	45
135	46	1	45.70331	65.69169	95	21H/12	45
136		6	45.66219	65.65083	23	21H/12	45
137		6	45.662	65.6145	108	21H/12	45
138		6	45.68964	65.61511	32	21H/12	45
139		6	45.63403	65.69394	50	21H/12	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
48	0	65	23	30	Prospect
8	0	64	50	15	
11	45	64	32	0	
11	20	64	18	30	
9	15	64	3	45	Float
54	30	64	30	30	??41.14 Vitrain Le
46	30	64	30	30	
44	15	64	29	30	
36	19.2	64	54	45.9	High tide level
22	45	65	27	51	Vitrain lens, DO NO
18	34	65	35	19	Vitrain lens, High tid
17	42	65	39	21	Vitrain lens, High Ti
16	39	65	43	16	Vitrain lens, High Ti
15	30	65	43	48	Vitrain lens, High Ti
7	43.9	66	27	47.8	Prospect, Location
					Location Unknown
					Location Unknown
					Location Unknown
12	9.2	64	50	27.2	
9	58.4	64	55	21.7	
11	28	64	52	6.6	
10	59.5	64	51	44.3	
11	26	64	50	47.2	
11	28.1	64	50	35.4	
11	57.2	64	50	37.9	
14	11.5	64	46	44.5	
10	23.2	64	54	24	
					Sheilia Watters The
52	55.6	64	41	38.3	
34	19	65	48	21.6	
34	21.8	65	48	21.2	
32	11.8	65	49	54.3	
32	35.3	65	48	37.4	
43	57.8	65	37	29.5	
43	53.2	65	37	49.8	
42	46.5	65	39	9.5	
44	48.6	65	36	14.5	
42	11.9	65	41	30.1	
39	43.9	65	39	3	
39	43.2	65	36	52.2	
41	22.7	65	36	54.4	
38	2.5	65	41	38.2	

Location Note
1 mi W of Dunsinane, on Stone Brook
Hall Creek 1 mi E of Magnetic Hill
2 mi S of Shediac, N side of Scoudouc
2.25 mi S of Dupuis Corner
Ltl Shemogue Harbour, E shore Chap
Penitentiary quarry at Dorchester
W coast Maringouin Pen. 1.5 mi SW Jo
Cliff,Slacks Cove near Rockport on Ma
Cliff, Owls Head, 1.5 mi E of Alma
Fundy Shore, 4.5 mi NE of St. Martins
as above, Giffin Pond, 3.5 mi E of Tyne
Approx. as above, at Tynemouth Creek
as above, at mouth of Gardner Creek
as above, at McCoy Head
N shore Ltl. Lepreau Basin, .25 mi W of
Indian Mountain? Ref 29
See also Ref 29
See also Ref 29
See Also Ref 7
See Ref 29 - McQuade Brook
See Also Ref 29
Can Oxy Test Pit - Albert Mines
L390 = Ro = Ref 29

RX_Sample_Locatio	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
140		6	45.62575	65.70342	70	21H/12	45
141		6	45.68328	65.61381	70	21H/12	45
142		6	45.63489	65.69281	43	21H/12	45
143		6	45.60392	65.72839	40	21H/12	45
144		6	45.64494	65.67617	37	21H/12	45
145		6	45.67611	65.63839	25	21H/12	45
146		6	45.67639	65.63728	25	21H/12	45
147		6	45.68319	65.60606	135	21H/12	45
148		6	45.67178	65.62122	58	21H/12	45
150	46	1	45.59083	65.73797	60	21H/12	45
151	46	1	45.59978	65.73167	44	21H/12	45
152	46	1	45.57306	65.75067	45	21H/12	45
153	46	1	45.85161	65.54667	62	21H/13	45
156	46	1	45.88114	65.51625	85	21H/13	45
157	46	1	45.88028	65.51492	94	21H/13	45
158	46	1	45.83911	65.53883	102	21H/13	45
162	46	1	45.77389	65.56636	68	21H/13	45
163	46	1	45.77403	65.56611	68	21H/13	45
164		1	45.87475	64.69494	120	21H/15	45
165		1	45.87494	64.69508	118	21H/15	45
167		1	45.68489	65.51981	92	21H/12	45
168		1	45.65417	65.5125	76	21H/12	45
169		1	45.6595	65.57172	113	21H/12	45
170		1	45.63403	65.69394	50	21H/12	45
172		1	45.68219	65.37289	74	21H/11	45
174		1	45.7125	65.33889			45
175		1	45.67431	65.41669	75	21H/11	45
177		1	45.84967	64.85033	160	21H/15	45
178		1	45.85297	64.83853	185	21H/15	45
179		1	45.85986	64.81681	248	21H/15	45
180		1	45.94028	64.88056	131	21H/15	45
181		1	45.83706	64.88836	215	21H/15	45
182		1	45.84306	64.99167			45
183		1	45.82911	65.058	83	21H/14	45
184		1	45.82331	65.05544	179	21H/14	45
185		1	45.79019	65.11297	111	21H/14	45
186		1	45.93944	65.23069	35	21H/14	45
187		1	45.88658	65.327	135	21H/14	45
188		1	45.91086	65.3455	95	21H/14	45
189		1					
190		1	45.50417	65.42778			45
191		1	45.99611	64.64489	25	21H/15	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
37	32.7	65	42	12.3	
40	59.8	65	36	49.7	
38	5.6	65	41	34.1	
36	14.1	65	43	42.2	
38	41.8	65	40	34.2	
40	34	65	38	18.2	
40	35	65	38	14.2	
40	59.5	65	36	21.8	
40	18.4	65	37	16.4	
35	27	65	44	16.7	
35	59.2	65	43	54	
34	23	65	45	2.4	
51	5.8	65	32	48	
52	52.1	65	30	58.5	
52	49	65	30	53.7	
50	20.8	65	32	19.8	
46	26	65	33	58.9	??
46	26.5	65	33	58	??
52	29.1	64	41	41.8	Loction questionabl
52	29.8	64	41	42.3	Loction questionabl
41	5.6	65	31	11.3	
39	15	65	30	45	
39	34.2	65	34	18.2	
38	2.5	65	41	38.2	
40	55.9	65	22	22.4	
42	45	65	20	20	21H/11
40	27.5	65	25	0.1	
50	58.8	64	51	1.2	
51	10.7	64	50	18.7	
51	35.5	64	49	0.5	
56	25	64	52	50	
50	13.4	64	53	18.1	
50	35	64	59	30	21H/15
49	44.8	65	3	28.8	
49	23.9	65	3	19.6	
47	24.7	65	6	46.7	
56	22	65	13	50.5	
53	11.7	65	19	37.2	
54	39.1	65	20	43.8	
					Location Unknown
30	15	65	25	40	21H/11
59	46	64	38	41.6	

Location Note
From Q25-169 loc.
Albert Mines
Albert Mines
Wards Creek
Moosehorn Brook
Waterford
Rosevale
Rosevale
East Turtle Creek
Parkindale
Goshen
Cornhill
Unknown location
Dover

RX_Sample_Location	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
192		1	45.97772	64.63536	36	21H/15	45
193		1	45.99208	64.57444	16	21H/15	45
194		1	46.18319	64.86231	160	21I/02	46
195		1	46.19111	64.8685	190	21I/02	46
196		1	46.20972	64.82539	137	21I/02	46
197		1	46.23333	64.78478	83	21I/02	46
198		1	46.16236	64.91833	140	21I/02	46
199		1	46.00189	65.19753	41	21I/03	46
201		1	46.05178	65.13919	60	21I/03	46
202		1	45.99164	64.58408	57	21H/15	45
203		1	45.94306	64.52361			45
204		1	45.94442	64.52308	45	21H/15	45
205		1	45.93789	64.52567	10	21H/15	45
206		1	45.94042	64.54322	2	21H/15	45
207		1	45.912	64.59956	8	21H/15	45
209	46	1	46.00811	65.20042	44	21I/03	46
210	46	1	46.00794	65.20278	45	21I/03	46
211	46	1	46.008	65.20489	48	21I/03	46
212	46	1	46.00789	65.20592	50	21I/03	46
213	46	1	46.008	65.20683	52	21I/03	46
214	46	1	46.00808	65.207	52	21I/03	46
215	46	1	46.00736	65.20183	44	21I/03	46
216	46	1	46.00492	65.20019	44	21I/03	46
217	46	1	46.07347	65.24072	52	21I/03	46
218		7	46.04683	65.20292	107	21I/03	46
219	46	1	45.998	65.20261	39	21H/14	45
220	46	1	45.99706	65.20361	39	21H/14	45
221	46	1	46.23706	64.778	68	21I/02	46
223		1	46.23614	64.78083	69	21I/02	46
224		7	46.23597	64.78344	71	21I/02	46
225	46	1	46.23475	64.78439	72	21I/02	46
226		7	46.23303	64.79358	83	21I/02	46
227	46	1	45.93189	64.60208	8	21H/15	45
228	46	1	45.92297	64.67558	55	21H/15	45
229	46	1	45.99939	64.64186	36	21H/15	45
230	46	1	45.99825	64.64186	33	21H/15	45
231	46	1	45.9975	64.64319	30	21H/15	45
232	46	1	45.99611	64.64489	25	21H/15	45
233	46	1	45.9945	64.64614	23	21H/15	45
234	46	1	45.99272	64.64672	22	21H/15	45
235	46	1	45.98894	64.65008	14	21H/15	45
236	46	1	45.97058	65.20903	87	21H/14	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
58	39.8	64	38	7.3	
59	31.5	64	34	28	
10	59.5	64	51	44.3	
11	28	64	52	6.6	
12	35	64	49	31.4	
14	0	64	47	5.2	
9	44.5	64	55	6	
0	6.8	65	11	51.1	
3	6.4	65	8	21.1	
59	29.9	64	35	2.7	
56	35	64	31	25	21H/15
56	39.9	64	31	23.1	
56	16.4	64	31	32.4	
56	25.5	64	32	35.6	
54	43.2	64	35	58.4	
0	29.2	65	12	1.5	
0	28.6	65	12	10	
0	28.8	65	12	17.6	
0	28.4	65	12	21.3	
0	28.8	65	12	24.6	
0	29.1	65	12	25.2	
0	26.5	65	12	6.6	
0	17.7	65	12	0.7	
4	24.5	65	14	26.6	
2	48.6	65	12	10.5	
59	52.8	65	12	9.4	
59	49.4	65	12	13	
14	13.4	64	46	40.8	
14	10.1	64	46	51	
14	9.5	64	47	0.4	
14	5.1	64	47	3.8	
13	58.9	64	47	36.9	
55	54.8	64	36	7.5	
55	22.7	64	40	32.1	
59	57.8	64	38	30.7	
59	53.7	64	38	30.7	
59	51	64	38	35.5	
59	46	64	38	41.6	
59	40.2	64	38	46.1	
59	33.8	64	38	48.2	
59	20.2	64	39	0.3	
58	14.1	65	12	32.5	

Location Note
Indian Mountain
Indian Mountain
Indian Mountain
Kinnean Settlement
Lewis Mountain
St. Josephs
Taylor Village
Taylor Village
Taylor Village
McQuade Brook
See Also Ref 29 -McQuade Brook
McQuade Brook
McQuade Brook
McQuade Brook

RX_Sample_Location	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
237	46	1	45.9925	64.69581	3	21H/15	45
238	46	1	45.97425	64.68578	8	21H/15	45
239	46	1	45.95264	64.60972	12	21H/15	45
240	46	1	45.99372	64.68814	2	21H/15	45
241	46	1	45.99428	64.68897	2	21H/15	45
242	46	1	45.99111	64.68586	2	21H/15	45
243	46	1	45.98853	64.68333	2	21H/15	45
244	46	1	45.97742	64.63589	35	21H/15	45
245	46	1	45.92656	65.25664	63	21H/14	45
247	46	1	45.91569	65.34181	102	21H/14	45
248	46	1	45.91731	65.33747	87	21H/14	45
249	46	1	45.93631	65.30803	89	21H/14	45
251	46	1	45.98403	65.23253	53	21H/14	45
252	46	1	45.98178	65.24128	46	21H/14	45
253	46	1	45.96822	65.22578	34	21H/14	45
254	46	1	45.96761	65.22278	34	21H/14	45
255	46	1	45.96786	65.22094	33	21H/14	45
256	46	1	45.96817	65.21953	33	21H/14	45
258	46	1	45.96831	65.21878	33	21H/14	45
259	46	1	45.93581	65.24933	65	21H/14	45
262	46	1	45.89336	65.30197	137	21H/14	45
264	46	1	45.72089	65.34856	142	21H/11	45
265	46	1	45.72428	65.34775	163	21H/11	45
266	46	1	45.71361	65.36347	150	21H/11	45
267	46	1	45.70769	65.37211	163	21H/11	45
268	46	1	45.71831	65.35239	140	21H/11	45
269		6	45.70761	65.37211	162	21H/11	45
270		6	45.71142	65.36625	170	21H/11	45
271		6	45.7135	65.36353	153	21H/11	45
272		6	45.65786	65.35347	154	21H/11	45
273		6	45.64144	65.3985	132	21H/11	45
274		6	45.64392	65.38508	242	21H/11	45
275		6	45.64625	65.3775	285	21H/11	45
276		6	45.67017	65.39583	210	21H/11	45
277		6	45.6685	65.39206	205	21H/11	45
278		6	45.69178	65.33697	125	21H/11	45
279		6	45.69111	65.33792	119	21H/11	45
280		6	45.68975	65.34669	111	21H/11	45
281		6	45.69403	65.3315	125	21H/11	45
282		6	45.68297	65.37283	81	21H/11	45
283		6	45.69017	65.34825	110	21H/11	45
284		6	45.69225	65.35344	105	21H/11	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
59	33	64	41	44.9	
58	27.3	64	41	8.8	
57	9.5	64	36	35	
59	37.4	64	41	17.3	
59	39.4	64	41	20.3	
59	28	64	41	9.1	
59	18.7	64	41	0	
58	38.7	64	38	9.2	
55	35.6	65	15	23.9	
54	56.5	65	20	30.5	
55	2.3	65	20	14.9	
56	10.7	65	18	28.9	
59	2.5	65	13	57.1	
58	54.4	65	14	28.6	
58	5.6	65	13	32.8	
58	3.4	65	13	22	
58	4.3	65	13	15.4	
58	5.4	65	13	10.3	
58	5.9	65	13	7.6	
56	8.9	65	14	57.6	
53	36.1	65	18	7.1	
43	15.2	65	20	54.8	
43	27.4	65	20	51.9	
42	49	65	21	48.5	
42	27.7	65	22	19.6	
43	5.9	65	21	8.6	
42	27.4	65	22	19.6	
42	41.1	65	21	58.5	
42	48.6	65	21	48.7	
39	28.3	65	21	12.5	
38	29.2	65	23	54.6	
38	38.1	65	23	6.3	
38	46.5	65	22	39	
40	12.6	65	23	45	
40	6.6	65	23	31.4	
41	30.4	65	20	13.1	
41	28	65	20	16.5	
41	23.1	65	20	48.1	
41	38.5	65	19	53.4	
40	58.7	65	22	22.2	
41	24.6	65	20	53.7	
41	32.1	65	21	12.4	

Location Note
From V-22-85 loc.
From S25-64 loc.

RX_Sample_Locatior	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
285		6	45.69072	65.35847	98	21H/11	45
286		6	45.69	65.36144	97	21H/11	45
287		6	45.68922	65.36233	95	21H/11	45
288		6	45.68372	65.36917	79	21H/11	45
289		6	45.68219	65.37289	74	21H/11	45
290		6	45.68281	65.37531	74	21H/11	45
291		6	45.69536	65.31856	134	21H/11	45
292		6	45.69725	65.32175	170	21H/11	45
293		6	45.69589	65.32328	131	21H/11	45
294		6	45.69594	65.32372	131	21H/11	45
295		6	45.69169	65.33472	122	21H/11	45
296		6	45.67425	65.39086	141	21H/11	45
297		6	45.67339	65.39022	143	21H/11	45
298		6	45.67719	65.384	140	21H/11	45
299		6	45.67508	65.31828	195	21H/11	45
300		6	45.65419	65.35983	193	21H/11	45
301		6	45.65078	65.36839	234	21H/11	45
302		6	45.65075	65.36942	240	21H/11	45
303		6	45.64347	65.39483	177	21H/11	45
304		14	45.72494	64.5	20	21H/10	45
305		14	45.83333	65.36667	61	21H/14	45
306		14	46.19528	64.54417	11	21I/02	46
307		14	46.1125	65.925	6	21I/04	46
308		14	46.10833	65.83167	15	21I/04	46
309		14	46.0975	66.035	38	21J/01	46
310		14	46.1	66.18917	85	21J/01	46
311	46	1	46.11156	65.02797	63	21I/03	46
312		1	46.10658	65.03481	62	21I/03	46
313		1	46.09553	65.04758	60	21I/03	46
314		1	46.09131	65.04739	60	21I/03	46
315		1	46.05175	65.11575	51	21I/03	46
316		1	46.05733	65.10031	52	21I/03	46
317		1	46.03875	65.15508	72	21I/03	46
318		1	46.01322	65.19483	43	21I/03	46
319		1	46.01069	65.19569	43	21I/03	46
320		1	46.00222	65.19739	44	21I/03	46
321		1	46.04869	65.12483	50	21I/03	46
322		1	46.05164	65.14047	67	21I/03	46
323		1	46.01644	65.19056	43	21I/03	46
324		1	46.01342	65.19583	43	21I/03	46
325		1	46.01536	65.19903	47	21I/03	46
326	46	1	45.99389	65.19969	37	21H/14	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
41	26.6	65	21	30.5	
41	24	65	21	41.2	
41	21.2	65	21	44.4	
41	1.4	65	22	9	
40	55.9	65	22	22.4	
40	58.1	65	22	31.1	
41	43.3	65	19	6.8	
41	50.1	65	19	18.3	
41	45.2	65	19	23.8	
41	45.4	65	19	25.4	
41	30.1	65	20	5	
40	27.3	65	23	27.1	
40	24.2	65	23	24.8	
40	37.9	65	23	2.4	
40	30.3	65	19	5.8	
39	15.1	65	21	35.4	
39	2.8	65	22	6.2	
39	2.7	65	22	9.9	
38	36.5	65	23	41.4	
43	29.8	64	30	0	???
50	0	65	22	0	
11	43	64	32	39	
6	45	65	55	30	
6	30	65	49	54	
5	51	66	2	6	
6	0	66	11	21	
6	41.6	65	1	40.7	
6	23.7	65	2	5.3	
5	43.9	65	2	51.3	
5	28.7	65	2	50.6	
3	6.3	65	6	56.7	
3	26.4	65	6	1.1	
2	19.5	65	9	18.3	
0	47.6	65	11	41.4	
0	38.5	65	11	44.5	
0	8	65	11	50.6	
2	55.3	65	7	29.4	
3	5.9	65	8	25.7	
0	59.2	65	11	26	
0	48.3	65	11	45	
0	55.3	65	11	56.5	????
59	38	65	11	58.9	

Location Note
From T20-05 Loc.

RX_Sample_Locatior	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
327	46	1	45.81089	65.10581	84	21H/14	45
328	46	1	45.81444	65.08103	128	21H/14	45
329	46	1	45.80378	65.11911	98	21H/14	45
330	46	1	45.84072	65.01261	164	21H/14	45
331	46	1	45.83931	65.01667	210	21H/14	45
332	46	1	45.83822	65.03197	157	21H/14	45
333	46	1	45.82072	65.05686	184	21H/14	45
334	46	1	45.82422	65.05681	167	21H/14	45
335	46	1	45.8245	65.05672	165	21H/14	45
336	46	1	45.82483	65.05658	164	21H/14	45
337	46	1	45.82614	65.05572	158	21H/14	45
338	46	1	45.82483	65.05406	174	21H/14	45
339	46	1	45.81447	65.07317	152	21H/14	45
340	46	1	45.81372	65.07156	159	21H/14	45
341	46	1	45.81264	65.07033	177	21H/14	45
342	46	1	45.80183	65.08892	132	21H/14	45
343	46	1	45.81364	65.07358	157	21H/14	45
344	46	1	45.8055	65.07778	167	21H/14	45
345	46	1	45.80478	65.084	132	21H/14	45
346	46	1	45.82731	65.05644	154	21H/14	45
347	46	1	45.828	65.05708	150	21H/14	45
348	46	1	45.82886	65.05786	147	21H/14	45
349	46	1	45.82911	65.058	146	21H/14	45
350	46	1	45.81667	65.076	138	21H/14	45
351	46	1	45.80794	65.11203	84	21H/14	45
352	46	1	45.80406	65.12	99	21H/14	45
353	46	1	45.79283	65.09994	89	21H/14	45
354	46	1	45.79272	65.09925	89	21H/14	45
355	46	1	45.78981	65.12325	132	21H/14	45
356	46	1	45.77522	65.13119	153	21H/14	45
357	46	1	45.77633	65.12939	147	21H/14	45
358	46	1	45.78017	65.12617	137	21H/14	45
359	46	1	45.78069	65.12556	135	21H/14	45
361	46	1	45.75611	65.18614	218	21H/14	45
362	46	1	45.75567	65.18608	230	21H/14	45
363	46	1	45.75494	65.19469	214	21H/14	45
364	46	1	45.79928	65.08683	160	21H/14	45
365	46	1	45.78992	65.11322	112	21H/14	45
366	46	1	45.77636	65.12961	147	21H/14	45
367		2	45.93975	64.544	17	21H/15	45
368	46	1	46.20972	64.82539	137	21I/02	46
370	46	1	46.16078	64.91911	136	21I/02	46

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
48	39.2	65	6	20.9	
48	52	65	4	51.7	
48	13.6	65	7	8.8	
50	26.6	65	0	45.4	
50	21.5	65	1	0	
50	17.6	65	1	55.1	
49	14.6	65	3	24.7	
49	27.2	65	3	24.5	
49	28.2	65	3	24.2	
49	29.4	65	3	23.7	
49	34.1	65	3	20.6	
49	29.4	65	3	14.6	
48	52.1	65	4	23.4	
48	49.4	65	4	17.6	
48	45.5	65	4	13.2	
48	6.6	65	5	20.1	
48	49.1	65	4	24.9	
48	19.8	65	4	40	
48	17.2	65	5	2.4	
49	38.3	65	3	23.2	
49	40.8	65	3	25.5	
49	43.9	65	3	28.3	
49	44.8	65	3	28.8	
49	0	65	4	33.6	
48	28.6	65	6	43.3	
48	14.6	65	7	12	
47	34.2	65	5	59.8	
47	33.8	65	5	57.3	
47	23.3	65	7	23.7	
46	30.8	65	7	52.3	
46	34.8	65	7	45.8	
46	48.6	65	7	34.2	
46	50.5	65	7	32	
45	22	65	11	10.1	
45	20.4	65	11	9.9	
45	17.8	65	11	40.9	
47	57.4	65	5	12.6	
47	23.7	65	6	47.6	PI ? Error?
46	34.9	65	7	46.6	
56	23.1	64	32	38.4	
12	35	64	49	31.4	
9	38.8	64	55	8.8	

Location Note
From T23-600 loc.

RX_Sample_Locatior	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
371	46	1	46.16131	64.91892	137	21I/02	46
372	46	1	46.16158	64.91883	138	21I/02	46
373	46	1	46.16319	64.91728	142	21I/02	46
374	46	1	46.15558	64.88969	154	21I/02	46
375	46	1	46.15717	64.87633	132	21I/02	46
376	46	1	46.15369	64.89314	155	21I/02	46
380	46	1	46.18311	64.88767	180	21I/02	46
381	46	1	46.17183	64.88083	185	21I/02	46
383	46	1	46.19044	64.84742	131	21I/02	46
385		7	46.19089	64.84575	129	21I/02	46
386	46	1	46.19097	64.84489	128	21I/02	46
390		7	46.19986	64.84253	175	21I/02	46
391	46	1	45.97744	64.69431	40	21H/15	45
392	46	1	45.86172	64.80061	261	21H/15	45
393	46	1	45.83128	64.89975	268	21H/15	45
394	46	1	45.84778	64.86544	174	21H/15	45
395	46	1	45.84725	64.86531	177	21H/15	45
396	46	1	45.84644	64.86481	183	21H/15	45
397	46	1	45.84525	64.86489	195	21H/15	45
398	46	1	45.84375	64.86822	215	21H/15	45
399	46	1	45.83925	64.88133	292	21H/15	45
400	46	1	45.84139	64.87931	255	21H/15	45
401	46	1	45.86342	64.80703	219	21H/15	45
402	46	1	45.86292	64.80642	222	21H/15	45
403	46	1	45.86231	64.80558	228	21H/15	45
404	46	1	45.8605	64.80514	237	21H/15	45
405	46	1	45.85986	64.80519	245	21H/15	45
406	46	1	45.85936	64.81125	234	21H/15	45
407	46	1	45.85967	64.81125	233	21H/15	45
408	46	1	45.85994	64.81128	232	21H/15	45
409	46	1	45.86106	64.81128	224	21H/15	45
410	46	1	45.86122	64.81133	223	21H/15	45
411	46	1	45.86186	64.81169	220	21H/15	45
412	46	1	45.86214	64.81189	217	21H/15	45
413	46	1	45.86272	64.81239	212	21H/15	45
414	46	1	45.85694	64.82319	244	21H/15	45
415	46	1	45.85386	64.83522	196	21H/15	45
416	46	1	45.85175	64.849	159	21H/15	45
417	46	1	45.85219	64.84925	155	21H/15	45
418	46	1	45.85258	64.84942	153	21H/15	45
419	46	1	45.85361	64.85044	151	21H/15	45
420	46	1	45.85272	64.85183	152	21H/15	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
9	40.7	64	55	8.1	
9	41.7	64	55	7.8	
9	47.5	64	55	2.2	
9	20.1	64	53	22.9	
9	25.8	64	52	34.8	
9	13.3	64	53	35.3	
10	59.2	64	53	15.6	
10	18.6	64	52	51	
11	25.6	64	50	50.7	
11	27.2	64	50	44.7	
11	27.5	64	50	41.6	
11	59.5	64	50	33.1	U20-538E
58	38.8	64	41	39.5	was miss labelled a
51	42.2	64	48	2.2	
49	52.6	64	53	59.1	
50	52	64	51	55.6	
50	50.1	64	51	55.1	
50	47.2	64	51	53.3	
50	42.9	64	51	53.6	
50	37.5	64	52	5.6	
50	21.3	64	52	52.8	
50	29	64	52	45.5	
51	48.3	64	48	25.3	
51	46.5	64	48	23.1	
51	44.3	64	48	20.1	
51	37.8	64	48	18.5	
51	35.5	64	48	18.7	
51	33.7	64	48	40.5	
51	34.8	64	48	40.5	
51	35.8	64	48	40.6	
51	39.8	64	48	40.6	
51	40.4	64	48	40.8	
51	42.7	64	48	42.1	
51	43.7	64	48	42.8	
51	45.8	64	48	44.6	
51	25	64	49	23.5	
51	13.9	64	50	6.8	
51	6.3	64	50	56.4	
51	7.9	64	50	57.3	
51	9.3	64	50	57.9	
51	13	64	51	1.6	
51	9.8	64	51	6.6	

Location Note
From U-23-510 loc.

RX_Sample_Location	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
421	46	1	45.84903	64.84967	164	21H/15	45
422	46	1	45.83067	64.91378	178	21H/15	45
423	46	1	45.83025	64.91622	178	21H/15	45
424	46	1	45.84689	64.85364	190	21H/15	45
425	46	1	45.83058	64.92564	199	21H/15	45
426	46	1	45.83036	64.92558	202	21H/15	45
427	46	1	45.86186	64.81461	218	21H/15	45
428	46	1	45.86114	64.81517	224	21H/15	45
429	46	1	45.86058	64.81553	232	21H/15	45
430	46	1	45.85986	64.81681	248	21H/15	45
431	46	1	45.86094	64.81594	232	21H/15	45
432	46	1	45.85108	64.99428	100	21H/15	45
433	46	1	45.85056	64.99225	108	21H/15	45
434	46	1	45.84789	64.99283	120	21H/15	45
435	46	1	45.84644	64.99311	118	21H/15	45
436	46	1	45.84186	64.99697	97	21H/15	45
437	46	1	45.84219	64.99544	136	21H/15	45
438		7	46.23714	64.77658	66	21I/02	46
439	46	1	45.97772	64.69153	29	21H/15	45
440	46	1	45.97794	64.69008	17	21H/15	45
441	46	1	45.97961	64.68711	3	21H/15	45
442	46	1	45.97889	64.63544	37	21H/15	45
443	46	1	45.97944	64.63553	39	21H/15	45
444	46	1	45.98	64.63631	40	21H/15	45
445	46	1	45.98083	64.63611	42	21H/15	45
446	46	1	45.98094	64.636	42	21H/15	45
447	46	1	45.93789	64.52567	10	21H/15	45
449	46	1	45.94042	64.51775	40	21H/15	45
450	46	1	45.99078	64.57367	24	21H/15	45
451	46	1	45.99647	64.59594	44	21H/15	45
452	46	1	45.98044	64.54375	32	21H/15	45
453	46	1	45.93236	64.59694	10	21H/15	45
454	46	1	45.93267	64.59456	13	21H/15	45
455	46	1	45.93192	64.59244	20	21H/15	45
456	46	1	45.931	64.59042	32	21H/15	45
457	46	1	45.92847	64.59047	38	21H/15	45
458	46	1	45.912	64.59958	8	21H/15	45
459	46	1	45.91397	64.59875	10	21H/15	45
460	46	1	45.91433	64.59914	10	21H/15	45
461	46	1	45.91506	64.59908	20	21H/15	45
462	46	1	45.91833	64.59853	35	21H/15	45
463	46	1	45.91953	64.59831	40	21H/15	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
50	56.5	64	50	58.8	
49	50.4	64	54	49.6	
49	48.9	64	54	58.4	
50	48.8	64	51	13.1	
49	50.1	64	55	32.3	
49	49.3	64	55	32.1	
51	42.7	64	48	52.6	
51	40.1	64	48	54.6	
51	38.1	64	48	55.9	
51	35.5	64	49	0.5	
51	39.4	64	48	57.4	
51	3.9	64	59	39.4	
51	2	64	59	32.1	
50	52.4	64	59	34.2	
50	47.2	64	59	35.2	
50	30.7	64	59	49.1	
50	31.9	64	59	43.6	
14	13.7	64	46	35.7	
58	39.8	64	41	29.5	
58	40.6	64	41	24.3	
58	46.6	64	41	13.6	
58	44	64	38	7.6	
58	46	64	38	7.9	
58	48	64	38	10.7	
58	51	64	38	10	
58	51.4	64	38	9.6	
56	16.4	64	31	32.4	
56	25.5	64	31	3.9	
59	26.8	64	34	25.2	
59	47.3	64	35	45.4	
58	49.6	64	32	37.5	
55	56.5	64	35	49	
55	57.6	64	35	40.4	
55	54.9	64	35	32.8	
55	51.6	64	35	25.5	
55	42.5	64	35	25.7	
54	43.2	64	35	58.5	
54	50.3	64	35	55.5	
54	51.6	64	35	56.9	
54	54.2	64	35	56.7	
55	6	64	35	54.7	
55	10.3	64	35	53.9	

Location Note
McQuade Brook
From W-22-46 loc.

RX_Sample_Locatior	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
464	46	1	45.93086	64.73197	88	21H/15	45
465	46	1	45.92406	64.61147	2	21H/15	45
466		6	45.9195	64.61125	3	21H/15	45
467	46	1	45.91933	64.61067	2	21H/15	45
468	46	1	45.94525	64.62942	2	21H/15	45
469	46	1	45.94664	64.63156	2	21H/15	45
470	46	1	45.98814	64.61544	71	21H/15	45
471	46	1	45.98767	64.6155	70	21H/15	45
472	46	1	45.98081	64.6265	49	21H/15	45
473	46	1	45.98067	64.63628	41	21H/15	45
474	46	1	45.9805	64.63642	41	21H/15	45
475	46	1	45.87475	64.69494	120	21H/15	45
476	46	1	45.87403	64.69447	124	21H/15	45
477	46	1	45.87369	64.70711	145	21H/15	45
478	46	1	45.89436	64.63514	53	21H/15	45
479	46	1	45.88206	64.68536	82	21H/15	45
480	46	1	45.88783	64.69131	65	21H/15	45
481	46	1	45.89114	64.73358	180	21H/15	45
482	46	1	45.89297	64.73556	55	21H/15	45
483	46	1	45.88086	64.70889	135	21H/15	45
484	46	1	45.87906	64.73969	191	21H/15	45
485	46	1	45.94047	64.54333	2	21H/15	45
486	46	1	45.94058	64.54356	2	21H/15	45
487		7	45.93947	64.53814	3	21H/15	45
488	46	1	45.94153	64.54661	2	21H/15	45
489		7	45.94233	64.54758	21	21H/15	45
490	46	1	45.94372	64.54894	2	21H/15	45
491		7	45.94386	64.54872	16	21H/15	45
492	46	1	45.9755	64.57239	9	21H/15	45
493	46	1	45.97539	64.57308	9	21H/15	45
494	46	1	45.97561	64.57375	9	21H/15	45
495	46	1	45.97569	64.57417	9	21H/15	45
496	46	1	45.97533	64.57583	9	21H/15	45
497	46	1	45.97542	64.57658	10	21H/15	45
498	46	1	45.97633	64.56958	9	21H/15	45
499	46	1	45.97606	64.5695	9	21H/15	45
500	46	1	45.97683	64.56983	10	21H/15	45
501	46	1	45.97719	64.57011	10	21H/15	45
502	46	1	45.97744	64.57031	10	21H/15	45
503	46	1	45.97792	64.57069	13	21H/15	45
504	46	1	45.98114	64.56922	26	21H/15	45
505	46	1	45.98753	64.57103	17	21H/15	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
55	51.1	64	43	55.1	
55	26.6	64	36	41.3	
55	10.2	64	36	40.5	
55	9.6	64	36	38.4	
56	42.9	64	37	45.9	
56	47.9	64	37	53.6	
59	17.3	64	36	55.6	
59	15.6	64	36	55.8	
58	50.9	64	37	35.4	
58	50.4	64	38	10.6	
58	49.8	64	38	11.1	
52	29.1	64	41	41.8	
52	26.5	64	41	40.1	
52	25.3	64	42	25.6	
53	39.7	64	38	6.5	
52	55.4	64	41	7.3	
53	16.2	64	41	28.7	
53	28.1	64	44	0.9	
53	34.7	64	44	8	
52	51.1	64	42	32	
52	44.6	64	44	22.9	
56	25.7	64	32	36	
56	26.1	64	32	36.8	
56	22.1	64	32	17.3	
56	29.5	64	32	47.8	
56	32.4	64	32	51.3	
56	37.4	64	32	56.2	
56	37.9	64	32	55.4	
58	31.8	64	34	20.6	
58	31.4	64	34	23.1	
58	32.2	64	34	25.5	
58	32.5	64	34	27	
58	31.2	64	34	33	
58	31.5	64	34	35.7	
58	34.8	64	34	10.5	
58	33.8	64	34	10.2	
58	36.6	64	34	11.4	
58	37.9	64	34	12.4	
58	38.8	64	34	13.1	
58	40.5	64	34	14.5	
58	52.1	64	34	9.2	
59	15.1	64	34	15.7	

Location Note
From W22-20 loc.

RX_Sample_Locatio	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
506	46	1	45.98744	64.57031	15	21H/15	45
507	46	1	45.95028	64.53433	5	21H/15	45
508	46	1	45.94236	64.53019	6	21H/15	45
509	46	1	45.94403	64.52311	45	21H/15	45
510	46	1	45.94442	64.52308	45	21H/15	45
514		33	45.81567	64.577	42	21H/15	45
515		34	45.97319	64.64	29	21H/15	45
516		34	45.97425	64.63764	30	21H/15	45
517		34	45.97511	64.63742	35	21H/15	45
518		34	45.97722	64.63586	42	21H/15	45
519		34	45.97858	64.636	45	21H/15	45
520		34	45.98022	64.63733	25	21H/15	45
521		36	45.70281	65.53111	60	21H/12	45
522		36	45.65244	65.50978	79	21H/12	45
523		36	45.70422	65.55317	70	21H/12	45
524		36	45.72044	65.35408	125	21H/11	45
525	46	1	45.56736	65.72428	59	21H/12	45
526	46	1	46.19986	64.84256	175	21I/02	46
527		39	45.66622	66.04556	38	21G/09	45
528		39	46.08653	64.1735	13	21I/01	46
529		39	46.16039	64.88158	158	21/I02	46
530		39	46.11136	64.93514	87	21/I02	46
531		39	46.14919	64.93903	91	21/I02	46
532		39	46.11136	65.02717	63	21I/03	46
533		39	46.13586	64.98947	73	21/I02	46
534		39	46.01828	65.11492	63	21I/03	46
535		39	46.16786	64.87128	205	21/I02	46
536		39	45.92858	65.26511	95	21H/14	45
537		39	45.93636	65.30803	88	21H/14	45
538		39	45.87303	65.34292	95	21H/14	45
539		39	46.20922	64.78114	63	21I/02	46
540		39	46.03578	64.60928	47	21I/02	46
541		39	46.07653	65.10439	75	21I/03	46
542		39	45.90922	64.24994	30	21H/16	45
543		39	46.00814	64.70622	3	21I/02	46
544		39	45.57194	65.80567	65	21H/12	45
545		39	45.72675	64.55206	0	21H/10	45
546		39	45.73397	64.54747	2	21H/10	45
547		39	45.85694	65.52372	113	21H/13	45
548		39	45.78647	64.43411	0	21H/16	45
549		39	45.80592	64.41569	0	21H/16	45
550		39	45.78028	64.63642	12	21H/15	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
59	14.8	64	34	13.1	
57	1	64	32	3.6	
56	32.5	64	31	48.7	
56	38.5	64	31	23.2	
56	39.9	64	31	23.1	
48	56	64	34	40	Base Hopewell
58	23.5	64	38	24	Boyd Creek
58	27.3	64	38	15.5	Boyd Creek
58	30.4	64	38	14.7	Boyd Creek
58	38	64	38	9.1	Boyd Creek
58	42.9	64	38	9.6	Boyd Creek
58	48.8	64	38	14.4	Boyd Creek
42	10.1	65	31	52	Outcrop Dobson Br
39	8.8	65	30	35.2	Outcrop Wards Bro
42	15.2	65	33	11.4	Outcrop along Hwy
43	13.6	65	21	14.7	Near Urney
34	2.5	65	43	27.4	
11	59.5	64	50	33.2	
39	58.4	66	2	44	Jan
5	11.5	64	10	24.6	Jan
9	37.4	64	52	53.7	Jan
6	40.9	64	56	6.5	Jan
8	57.1	64	56	20.5	Jan
6	40.9	65	1	37.8	Jan
8	9.1	64	59	22.1	Jan
1	5.8	65	6	53.7	Jan
10	4.3	64	52	16.6	Jan
55	42.9	65	15	54.4	Jan
56	10.9	65	18	28.9	Jan
52	22.9	65	20	34.5	Jan
12	33.2	64	46	52.1	Jan
2	8.8	64	36	33.4	Jan
4	35.5	65	6	15.8	Jan
54	33.2	64	14	59.8	Jan
0	29.3	64	42	22.4	Jan
34	19	65	48	20.4	Jan
43	36.3	64	33	7.4	Jan
44	2.3	64	32	50.9	Jan
51	25	65	31	25.4	Jan
47	11.3	64	26	2.8	Jan
48	21.3	64	24	56.5	Jan
46	49	64	38	11.1	Jan

Location Note
Hopewell Cape

RX_Sample_Locatior	Company_Id	Refe	Latitude	Longitude	Ground_El	NTS_50	Lat_Deg
551		39	45.71558	64.688	0	21H/10	45
552		39	45.74739	64.74703	20	21H/10	45
553		39	45.67275	64.78411	45	21H/10	45
554		39	45.59653	64.78142	1	21H/10	45
555		39	45.81533	64.57825	2	21H/15	45
556		39	45.57806	64.96694	2	21H/10	45
557		39	45.60422	64.78958	2	21H/10	45
558		39	45.61533	64.92911	43	21H/10	45
559		39	45.64056	64.80861	25	21H/10	45
560		39	45.77867	64.44869	0	21H/16	45
561		39	46.02442	64.35253	35	21I/01	46
562		39	45.80681	64.48875	2	21H/16	45
563		39	45.78872	64.50489	2	21H/15	45
564		39	45.86056	64.54333	2	21H/15	45
565		39	45.9185	64.61028	1	21H/15	45
566		39	45.92533	64.61186	0	21H/15	45
567		39	45.88019	65.51519	93	21H/13	45
568		39	45.67306	66.10833	57	21G/09	45
569		39	45.57639	66.71444	95	21G/10	45
570		39	45.57083	66.79944	140	21G/10	45
571		39	45.64389	66.17056	85	21G/09	45
572		39	45.60917	66.38611	80	21G/09	45
573		39	45.66833	66.32611	105	21G/09	45
574		39	45.65861	66.44667	95	21G/09	45
575		39	45.82264	65.73247	138	21H/13	45
576		39	45.85378	65.74594	38	21H/13	45
577		39	45.66733	65.49431	145	21H/11	45
578		39	45.70556	65.51408	80	21H/12	45
579		39	45.66938	65.44111	148	21H/11	45
580		39	45.65836	65.52133	103	21H/12	45
581		39	45.88806	64.711	60	21H/15	45
582		39	46.20711	64.79311	45	21I/02	46
583		39	45.96722	65.18194	92	21H/14	45
584	46	1	45.93789	64.525	10	21H/15	45

Lat_Min	Lat_Sec	Long_Deg	Long_Min	Long_Sec	General Note
42	56.1	64	41	16.8	Jan
44	50.6	64	44	49.3	Jan
40	21.9	64	47	2.8	Jan
35	47.5	64	46	53.1	Jan
48	55.2	64	34	41.7	Jan
34	41	64	58	1	Jan
36	15.2	64	47	22.5	Jan
36	55.2	64	55	44.8	Jan
38	26	64	48	31	Jan
46	43.2	64	26	55.3	Jan
1	27.9	64	21	9.1	Jan
48	24.5	64	29	19.5	Jan
47	19.4	64	30	17.6	Jan
51	38	64	32	36	Jan
55	6.6	64	36	37	Jan
55	31.2	64	36	42.7	Jan
52	48.7	65	30	54.7	Jan
40	23	66	6	30	Jan
34	35	66	42	52	Jan
34	15	66	47	58	Jan
38	38	66	10	14	Jan
36	33	66	23	10	Jan
40	6	66	19	34	Jan
39	31	66	26	48	Jan
49	21.5	65	43	56.9	Jan
51	13.6	65	44	45.4	Jan
40	2.4	65	29	39.5	Jan
42	20	65	30	50.7	Jan
40	9.78	65	26	28	Jan
39	30.1	65	31	16.8	Jan
53	17	64	42	39.6	Jan
12	25.6	64	47	35.2	Jan
58	2	65	10	55	Jan
56	16.4	64	31	30	

Location Note
From W-22-46 loc.

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
1	2	1				?
2	3	1			0.96	? < 3.0
3	4	1			0.85	2.75 - 3.0
4	6	1			0.92	(2.75 -) 3.0
5	8	1	0.72		0.63	2.50 - 2.75
6	9	1			0.63	2.50 - 2.75
7	10	1			0.63	2.50 - 2.75
8	11	1			0.63	2.50 - 2.75
9	12	1			0.63	2.50 - 2.75
10	18	1	0.74		0.76	2.50 - 3.00
11	21	1			0.85	2.75 - 3.00
12	23	1				?
13	27	1			1.15	?3.00+?
14	28	1			0.81	2.75+
15	29	1			0.76	2.75
16	33	1			0.76	2.75
17	58	9				
18	59	24	0.5		0.28	2-/2
19	75	23	0.7		0.42	2.35
21	83	15	0.62			
22	84	15	0.67			
23	85	15	0.5			
24	86	14	0.63			
25	87	15	0.62			
26	88	14	0.68			
27	89	14	0.8			
28	90	15	0.69			
29	91	14	0.93			
30	92	14	0.62			
31	93	14	0.61			
32	94	14	0.72			
33	95	14	0.58			
34	96	14	0.69			
35	97	14	0.69			
36	98	14	0.77			
37	99	14	0.71			
38	100	14	0.86			
39	101	14	0.87			
40	102	14	1.11			
41	103	14	0.95			
42	104	15	0.96			
43	105	14	1.78			

Spore_Colour_Inde	Vitrinite_Notes

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
44	106	14	1.43			
45	107	15	0.83			
46	108	14	0.8			
47	109	14	0.99			
48	110	14	0.72			
49	111	14	0.78			
50	112	14	0.57			
51	113	14	0.57			
52	114	14	0.67			
53	115	14	0.81			
54	116	14	0.92			
55	117	14	0.77			
56	118	15	3.95			
57	119	15	0.88			
58	120	15	0.95			
59	121	15	1.37			
60	122	15	1.33			
61	123	15	1.41			
62	124	15	6.08			
63	144	26	0.69	0.03		
64	130	26	0.4	0.06		
65	131	26	0.68	0.09		
66	132	26	0.69	0.08		
68	141	26	0.56	0.07		
70	143	12				
72	147	1			1.87	3.5 - 3.75
73	174	1			1.39	?3.25
74	401	1			1	3.0
75	402	1			0.76	2.75
76	406	1				?
77	415	1			0.76	2.75
78	440	1			0.81	?2.75+
79	455	6	0.79	0.09		
80	456	1			0.63	2.50 - 2.75
81	179	1			1.39	3.5
82	189	1			4	?4.0
83	202	1			1	3.0
84	205	1			0.63	2.50 - 2.75
85	206	1			0.63	2.50 - 2.75
86	208	1				?
87	211	1				?
88	212	1			0.76	2.75

Spore_Colour_Inde	Vitrinite_Notes
	mostly pseudovitrinite

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
89	214	1			0.81	2.75+
90	217	1			0.81	2.75+
91	223	1			0.85	2.75 - 3.00
92	227	1				?
93	230	1			0.63	?2.50 - 2.75?
94	231	1			0.63	2.50 - 2.75
95	236	1			0.63	?2.50 - 2.75?
96	239	1			0.81	?(>2.75?)
97	241	1			0.63	2.50 - 2.75
98	242	1			0.63	2.50 - 2.75
99	244	1			0.5	2.50
100	247	1				?
101	248	1			0.63	2.50 - 2.75
102	250	1			0.53	2.50+
103	251	1				?
104	255	1			1	+-3.00
105	257	1			1	+-3.00+
106	258	1			1.15	3.00+?
107	259	1				?
108	263	1			0.63	2.50 - 2.75
109	264	1			0.63	2.50 - 2.75
110	267	1			0.76	?2.75?
111	268	1			0.63	2.50 - 2.75
112	274	1			0.63	2.50 - 2.75
113	276	1			1.39	+-3.25
114	277	1			1.48	?3.25+
115	278	1			1.48	?3.25+
116	280	1			0.76	2.75
117	281	1			0.85	2.75 - 3.00
118	283	1			0.76	2.75
119	284	1			0.53	2.50+
120	285	1			0.63	2.50 - 2.75
121	286	1			0.63	2.50 - 2.75
122	291	1			0.7	+-2.75
123	294	1			0.7	+-2.75
124	299	1			0.7	+-2.75
125	301	1			0.58	2.5 - 2.75
126	304	1			1.15	3.00 - 3.25
127	333	1			0.76	2.75
128	335	1			3.25	3.75 - 4.00
129	386	14	0.71			
130	387	14	0.85			

Spore_Colour_Inde	Vitrinite_Notes

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
131	388	14	0.69			
132	389	14	0.89			
133	390	14	0.79			
134	391	14	0.95			
135	392	14	0.89			
136	396	1			0.85	2.75 - 3.00
137	463	7	0.4	0.06		
138	464	1	0.55	0.07		
139	465	7	0.68	0.09		
140	468	1	0.69	0.08		
141	471	1	0.59	0.05		?
142	474	7	0.72	0.08		
143	477	1	0.64	0.08		
144	486	1			0.85	2.75 - 3.00
145	502	1			1	3.0
146	521	1			1.15	3.0+
147	531	1			1.15	3.0+?
148	532	7	0.96	0.04		
149	533	1	1.05	0.09		
150	536	1	1.24	0.08		
151	539	1			1.39	3.25
152	565	1			0.76	2.75
153	574	1			0.76	2.75
154	577	1			1.15	?+3.00
155	617	1			1	3.00
156	622	33			0.32	2+
157	623	34			0.29	2
158	624	34			0.29	2
159	625	34			0.29	2
160	626	34			0.29	2
161	627	34			0.29	2
163	628	34			0.29	2
164	630	36	0.89	0.06		
166	631	36	0.79	0.08		
167	632	36	0.75	0.04		
168	633	36	0.61	0.08		
169	362	38	0.5	0.08		
170	363	38	0.56	0.09		
171	634	39	0.66			
172	636	39	0.55			
173	635	39	0.62			
174	637	39	0.72			

Spore_Colour_Inde	Vitrinite_Notes
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mature: Orange fl. Spore
	Mature; Yellow-Orange fl. Resi
	Mature; Partially oxidized
	Mature; Yellow brown fl for AO
	immature
	immature

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
175	638	39	0.93			
176	639	39	0.6			
177	640	39	0.63			
178	641	39	0.6			
179	642	39	0.63			
180	315	39	0.84			
181	327	39	0.78			
182	331	39	0.64			
183	343	39	0.64			
184	400	39	0.62			
185	648	39	0.66			
186	649	39	0.66			
187	145	39	0.64			
188	651	39	0.67			
189	187	39	0.68			
190	189	39	0.83			
191	654	39	0.89			
192	308	39	0.86			
193	655	39	0.64			
194	644	39	0.64			
195	338	39	0.64			
196	645	39	0.65			
197	646	39	2.12			
198	647	39	0.64			
199	650	39	0.55			
200	652	39	0.56			
201	653	39	0.81			
202	656	39	0.67			
203	657	39	0.6			
204	658	39	0.56			
205	659	39	0.6			
206	660	39	0.64			
207	661	39	0.8			
208	662	39	0.65			
209	663	39	1.02			
210	664	39	0.64			
211	665	39	1.58			
212	666	39	0.89			
213	667	39	0.92			
214	668	39	0.99			
215	669	39	0.6			
216	670	39	0.93			

Spore_Colour_Inde	Vitrinite_Notes

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
217	671	39	0.9			
218	672	39	0.87			
219	673	39	0.7			
220	674	39	0.64			
221	675	39	0.65			
222	676	39	1.12			
223	677	39	0.88			
224	678	39	1.51			
225	679	39	1.2			
226	680	39	0.72			
227	681	39	0.73			
228	682	39	0.88			
229	683	39	0.82			
230	684	39	0.68			
231	685	39	0.86			
232	686	39	0.64			
233	687	39	0.63			
234	688	39	0.92			
235	689	39	1.03			
236	690	39	2.09			
237	691	39	0.58			
238	449	1			0.85	2.75-3.0

Spore_Colour_Inde	Vitrinite_Notes
	30%Alginite

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
1	2	1				?
2	3	1			0.96	? < 3.0
3	4	1			0.85	2.75 - 3.0
4	6	1			0.92	(2.75 -) 3.0
5	8	1	0.72		0.63	2.50 - 2.75
6	9	1			0.63	2.50 - 2.75
7	10	1			0.63	2.50 - 2.75
8	11	1			0.63	2.50 - 2.75
9	12	1			0.63	2.50 - 2.75
10	18	1	0.74		0.76	2.50 - 3.00
11	21	1			0.85	2.75 - 3.00
12	23	1				?
13	27	1			1.15	?3.00+?
14	28	1			0.81	2.75+
15	29	1			0.76	2.75
16	33	1			0.76	2.75
17	58	9				
18	59	24	0.5		0.28	2-/2
19	75	23	0.7		0.42	2.35
21	83	15	0.62			
22	84	15	0.67			
23	85	15	0.5			
24	86	14	0.63			
25	87	15	0.62			
26	88	14	0.68			
27	89	14	0.8			
28	90	15	0.69			
29	91	14	0.93			
30	92	14	0.62			
31	93	14	0.61			
32	94	14	0.72			
33	95	14	0.58			
34	96	14	0.69			
35	97	14	0.69			
36	98	14	0.77			
37	99	14	0.71			
38	100	14	0.86			
39	101	14	0.87			
40	102	14	1.11			
41	103	14	0.95			
42	104	15	0.96			
43	105	14	1.78			

Spore_Colour_Inde	Vitrinite_Notes

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
44	106	14	1.43			
45	107	15	0.83			
46	108	14	0.8			
47	109	14	0.99			
48	110	14	0.72			
49	111	14	0.78			
50	112	14	0.57			
51	113	14	0.57			
52	114	14	0.67			
53	115	14	0.81			
54	116	14	0.92			
55	117	14	0.77			
56	118	15	3.95			
57	119	15	0.88			
58	120	15	0.95			
59	121	15	1.37			
60	122	15	1.33			
61	123	15	1.41			
62	124	15	6.08			
63	144	26	0.69	0.03		
64	130	26	0.4	0.06		
65	131	26	0.68	0.09		
66	132	26	0.69	0.08		
68	141	26	0.56	0.07		
70	143	12				
72	147	1			1.87	3.5 - 3.75
73	174	1			1.39	?3.25
74	401	1			1	3.0
75	402	1			0.76	2.75
76	406	1				?
77	415	1			0.76	2.75
78	440	1			0.81	?2.75+
79	455	6	0.79	0.09		
80	456	1			0.63	2.50 - 2.75
81	179	1			1.39	3.5
82	189	1			4	?4.0
83	202	1			1	3.0
84	205	1			0.63	2.50 - 2.75
85	206	1			0.63	2.50 - 2.75
86	208	1				?
87	211	1				?
88	212	1			0.76	2.75

Spore_Colour_Inde	Vitrinite_Notes
	mostly pseudovitrinite

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
89	214	1			0.81	2.75+
90	217	1			0.81	2.75+
91	223	1			0.85	2.75 - 3.00
92	227	1				?
93	230	1			0.63	?2.50 - 2.75?
94	231	1			0.63	2.50 - 2.75
95	236	1			0.63	?2.50 - 2.75?
96	239	1			0.81	?(>2.75?)
97	241	1			0.63	2.50 - 2.75
98	242	1			0.63	2.50 - 2.75
99	244	1			0.5	2.50
100	247	1				?
101	248	1			0.63	2.50 - 2.75
102	250	1			0.53	2.50+
103	251	1				?
104	255	1			1	+-3.00
105	257	1			1	+-3.00+
106	258	1			1.15	3.00+?
107	259	1				?
108	263	1			0.63	2.50 - 2.75
109	264	1			0.63	2.50 - 2.75
110	267	1			0.76	?2.75?
111	268	1			0.63	2.50 - 2.75
112	274	1			0.63	2.50 - 2.75
113	276	1			1.39	+-3.25
114	277	1			1.48	?3.25+
115	278	1			1.48	?3.25+
116	280	1			0.76	2.75
117	281	1			0.85	2.75 - 3.00
118	283	1			0.76	2.75
119	284	1			0.53	2.50+
120	285	1			0.63	2.50 - 2.75
121	286	1			0.63	2.50 - 2.75
122	291	1			0.7	+-2.75
123	294	1			0.7	+-2.75
124	299	1			0.7	+-2.75
125	301	1			0.58	2.5 - 2.75
126	304	1			1.15	3.00 - 3.25
127	333	1			0.76	2.75
128	335	1			3.25	3.75 - 4.00
129	386	14	0.71			
130	387	14	0.85			

Spore_Colour_Inde	Vitrinite_Notes

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
131	388	14	0.69			
132	389	14	0.89			
133	390	14	0.79			
134	391	14	0.95			
135	392	14	0.89			
136	396	1			0.85	2.75 - 3.00
137	463	7	0.4	0.06		
138	464	1	0.55	0.07		
139	465	7	0.68	0.09		
140	468	1	0.69	0.08		
141	471	1	0.59	0.05		?
142	474	7	0.72	0.08		
143	477	1	0.64	0.08		
144	486	1			0.85	2.75 - 3.00
145	502	1			1	3.0
146	521	1			1.15	3.0+
147	531	1			1.15	3.0+?
148	532	7	0.96	0.04		
149	533	1	1.05	0.09		
150	536	1	1.24	0.08		
151	539	1			1.39	3.25
152	565	1			0.76	2.75
153	574	1			0.76	2.75
154	577	1			1.15	?+3.00
155	617	1			1	3.00
156	622	33			0.32	2+
157	623	34			0.29	2
158	624	34			0.29	2
159	625	34			0.29	2
160	626	34			0.29	2
161	627	34			0.29	2
163	628	34			0.29	2
164	630	36	0.89	0.06		
166	631	36	0.79	0.08		
167	632	36	0.75	0.04		
168	633	36	0.61	0.08		
169	362	38	0.5	0.08		
170	363	38	0.56	0.09		
171	634	39	0.66			
172	636	39	0.55			
173	635	39	0.62			
174	637	39	0.72			

Spore_Colour_Inde	Vitrinite_Notes
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mainly exinous and some amo
	Mature: Orange fl. Spore
	Mature; Yellow-Orange fl. Resi
	Mature; Partially oxidized
	Mature; Yellow brown fl for AO
	immature
	immature

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
175	638	39	0.93			
176	639	39	0.6			
177	640	39	0.63			
178	641	39	0.6			
179	642	39	0.63			
180	315	39	0.84			
181	327	39	0.78			
182	331	39	0.64			
183	343	39	0.64			
184	400	39	0.62			
185	648	39	0.66			
186	649	39	0.66			
187	145	39	0.64			
188	651	39	0.67			
189	187	39	0.68			
190	189	39	0.83			
191	654	39	0.89			
192	308	39	0.86			
193	655	39	0.64			
194	644	39	0.64			
195	338	39	0.64			
196	645	39	0.65			
197	646	39	2.12			
198	647	39	0.64			
199	650	39	0.55			
200	652	39	0.56			
201	653	39	0.81			
202	656	39	0.67			
203	657	39	0.6			
204	658	39	0.56			
205	659	39	0.6			
206	660	39	0.64			
207	661	39	0.8			
208	662	39	0.65			
209	663	39	1.02			
210	664	39	0.64			
211	665	39	1.58			
212	666	39	0.89			
213	667	39	0.92			
214	668	39	0.99			
215	669	39	0.6			
216	670	39	0.93			

Spore_Colour_Inde	Vitrinite_Notes

Rx_Vitrinite_Id	Rx_Sample_Id	Reference	Ro	Ro Std D	Calc_Ro	TAI
217	671	39	0.9			
218	672	39	0.87			
219	673	39	0.7			
220	674	39	0.64			
221	675	39	0.65			
222	676	39	1.12			
223	677	39	0.88			
224	678	39	1.51			
225	679	39	1.2			
226	680	39	0.72			
227	681	39	0.73			
228	682	39	0.88			
229	683	39	0.82			
230	684	39	0.68			
231	685	39	0.86			
232	686	39	0.64			
233	687	39	0.63			
234	688	39	0.92			
235	689	39	1.03			
236	690	39	2.09			
237	691	39	0.58			
238	449	1			0.85	2.75-3.0

Spore_Colour_Inde	Vitrinite_Notes
	30%Alginite